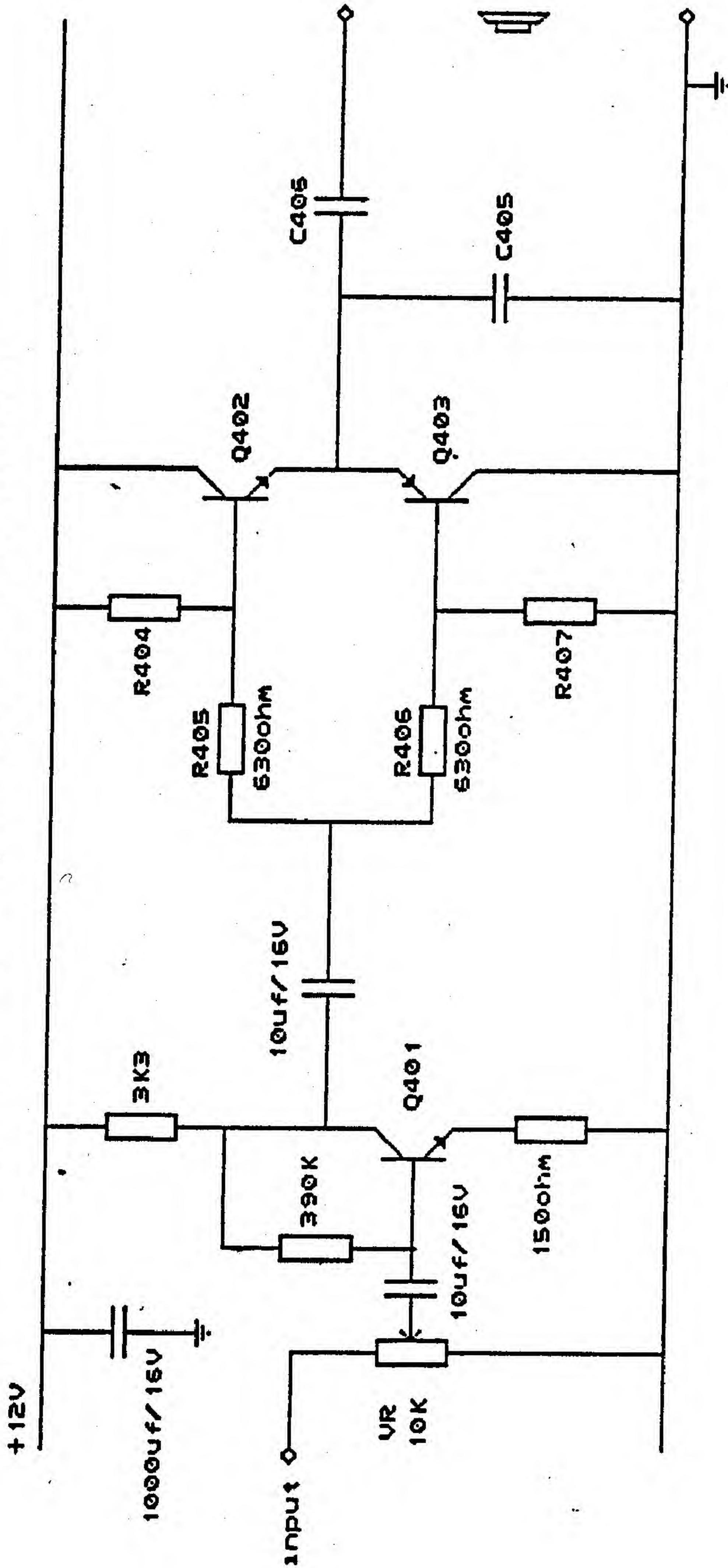
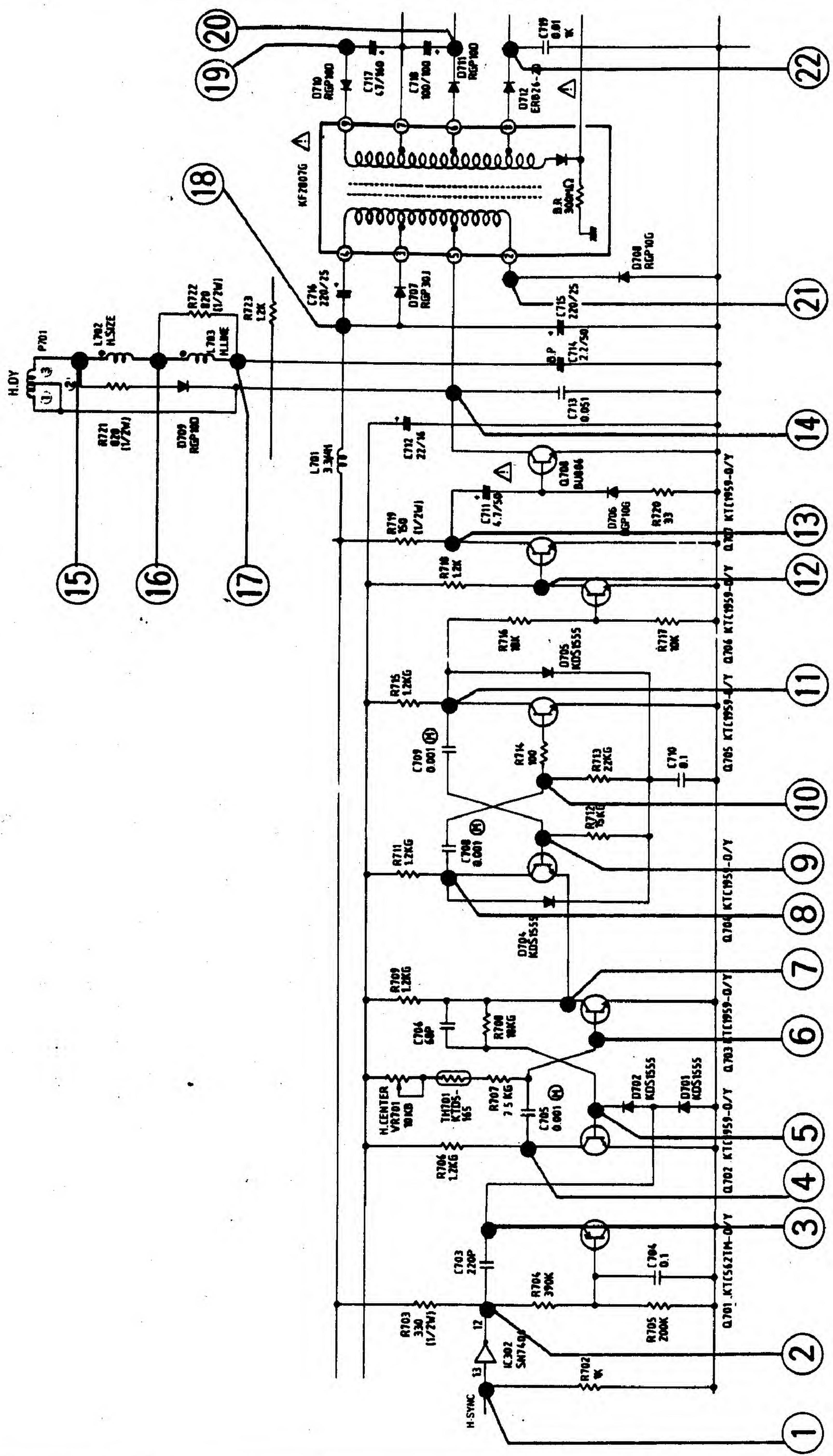
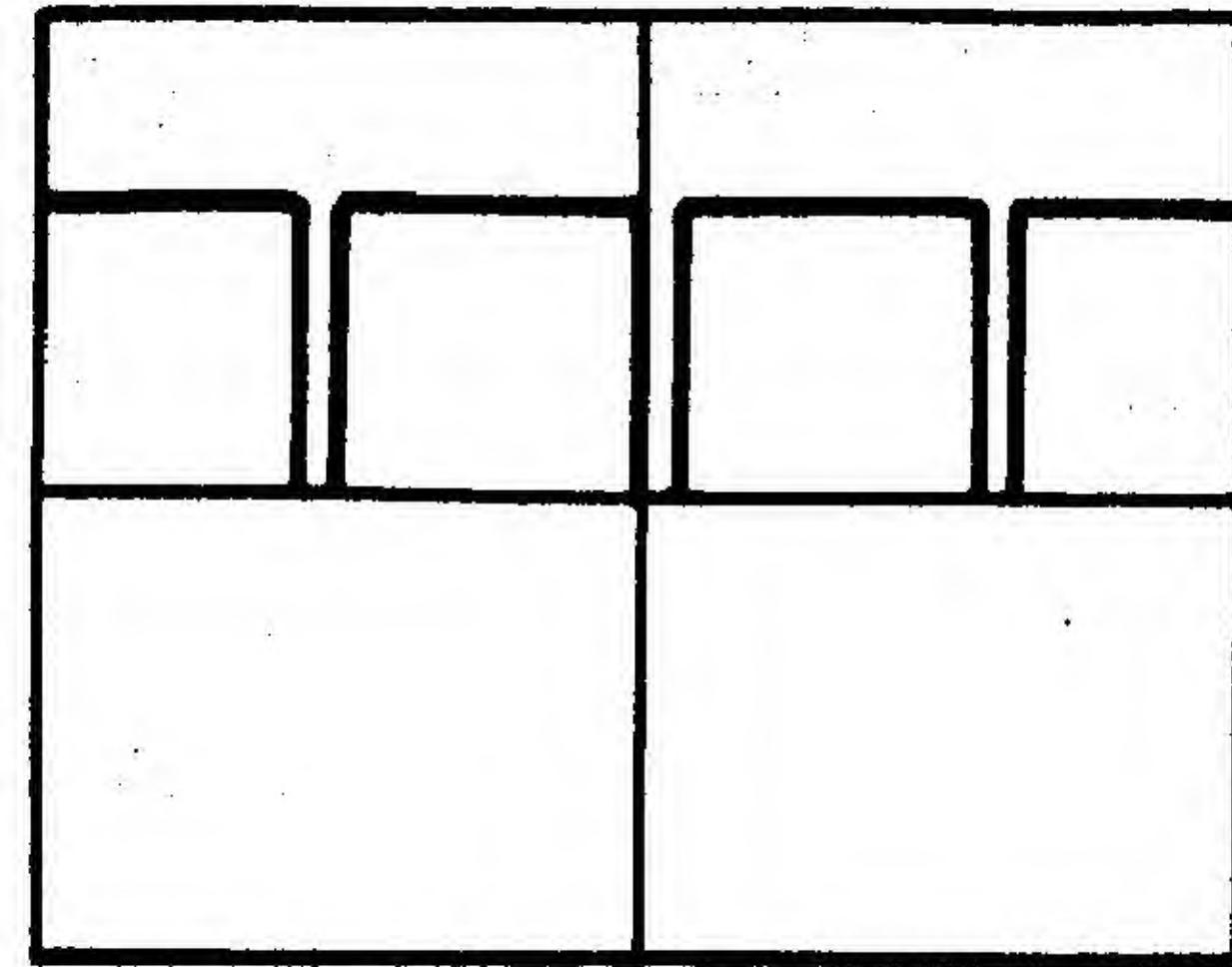


REUSED AUDIO CIRCUIT SM124 MONITOR

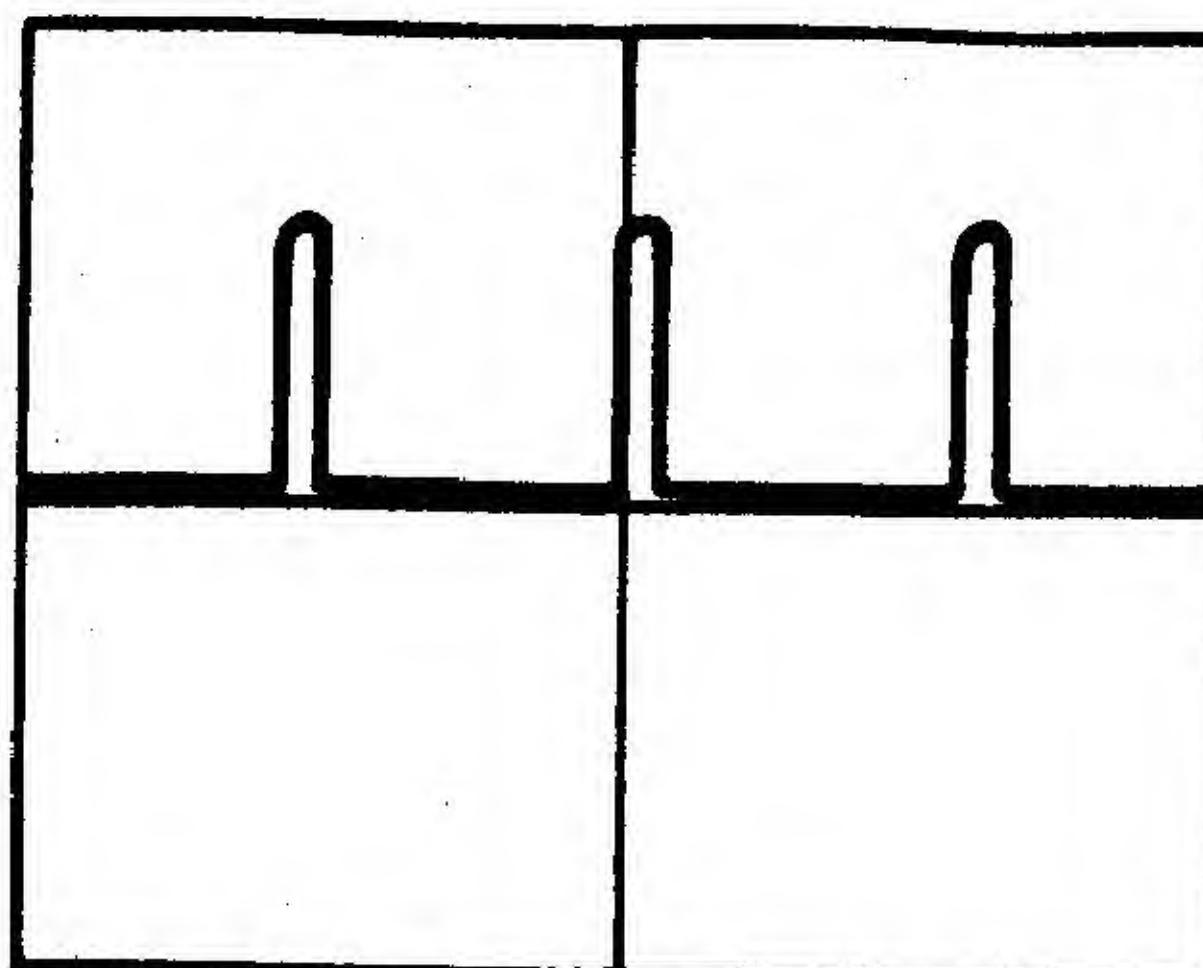


HORIZONTAL DEFLECTION CIRCUIT

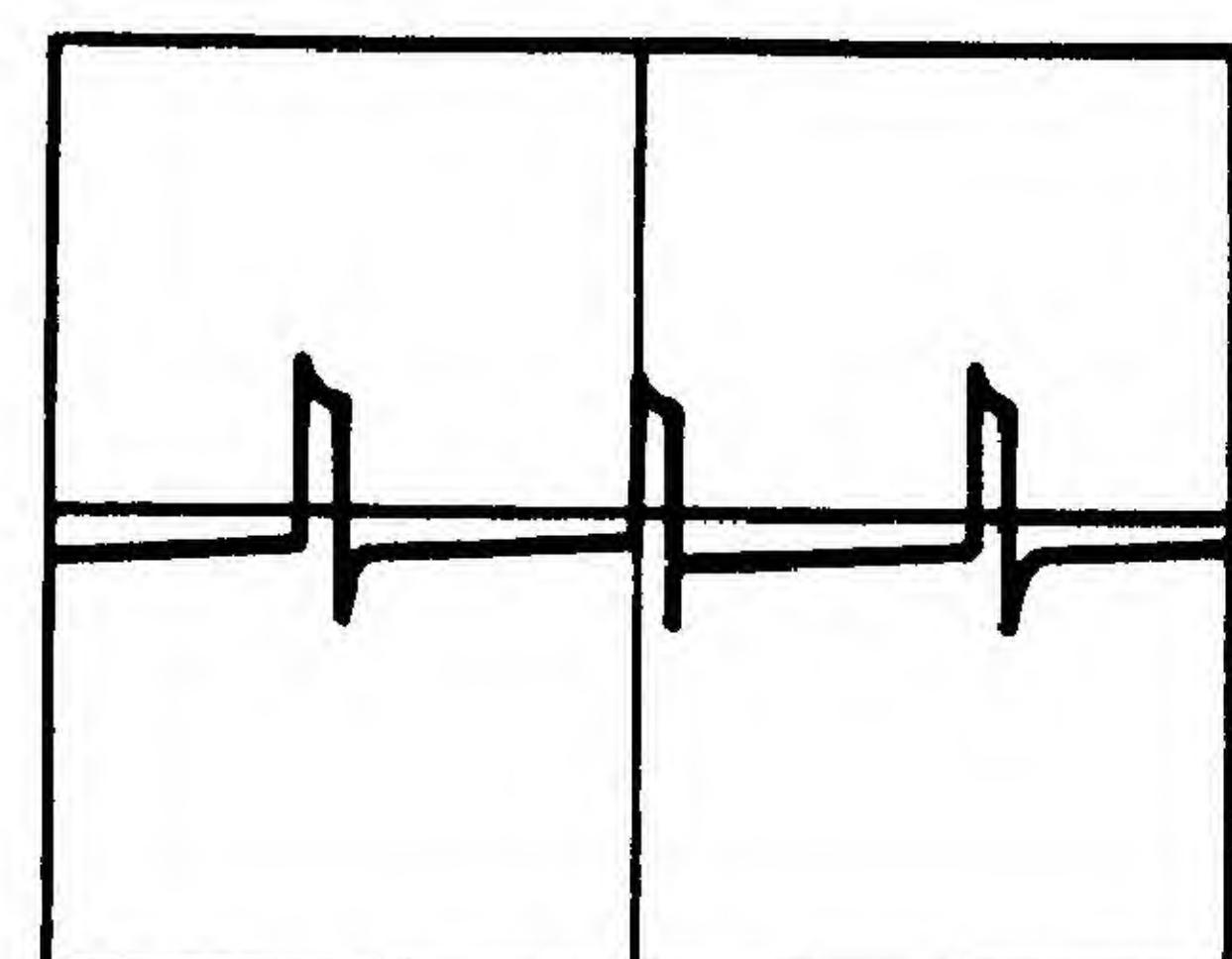




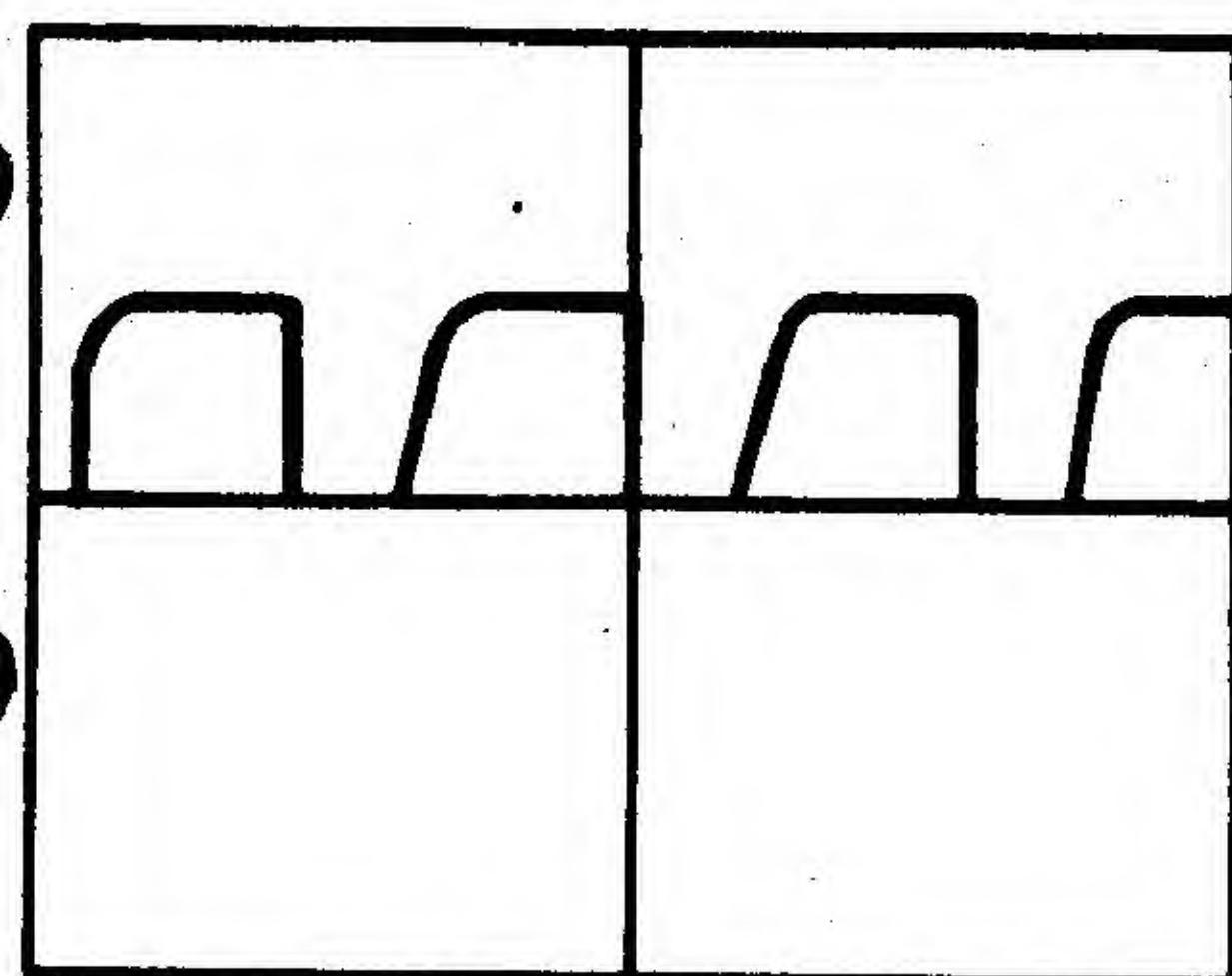
① 5Vp-p
35.7KHz



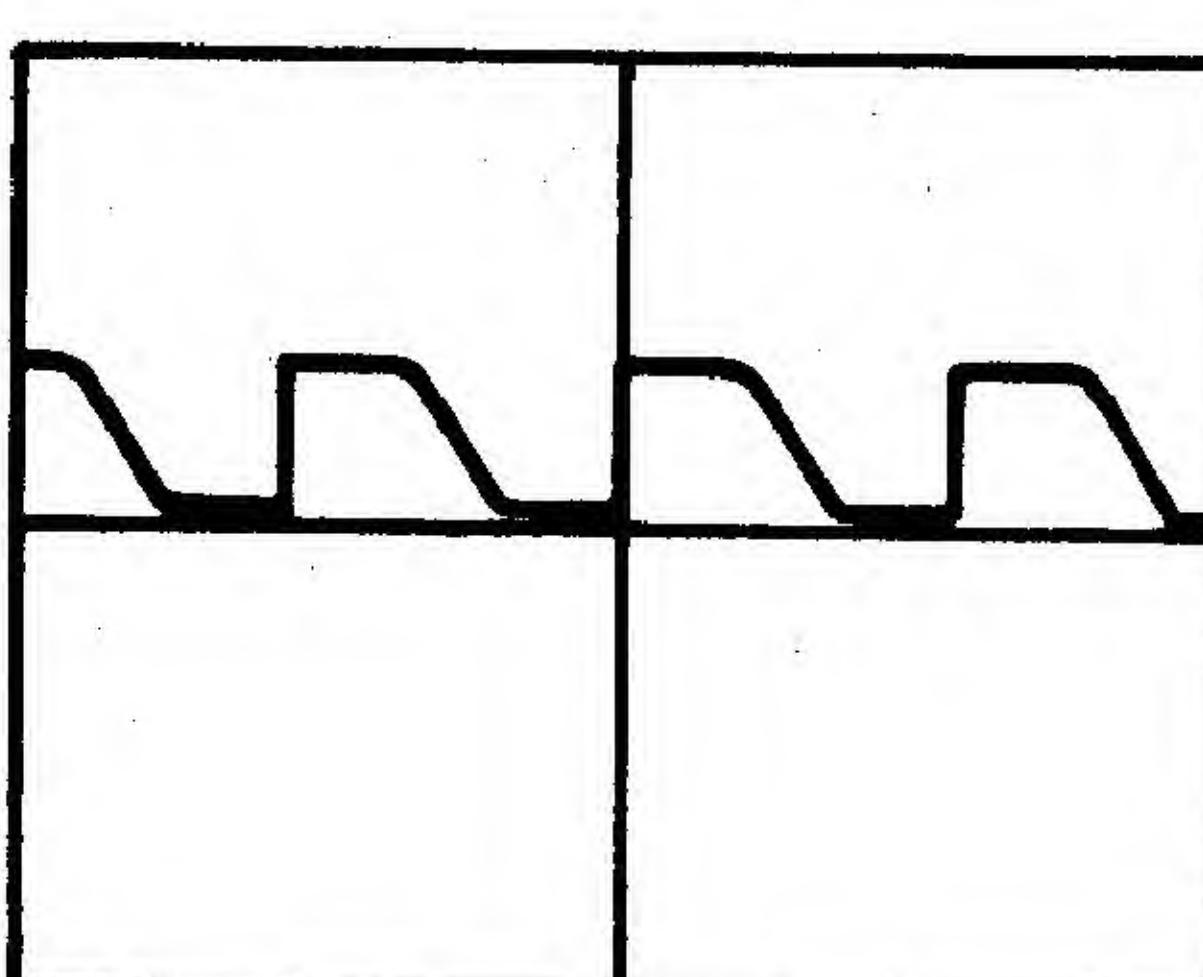
② 11.5Vp-p
35.7KHz



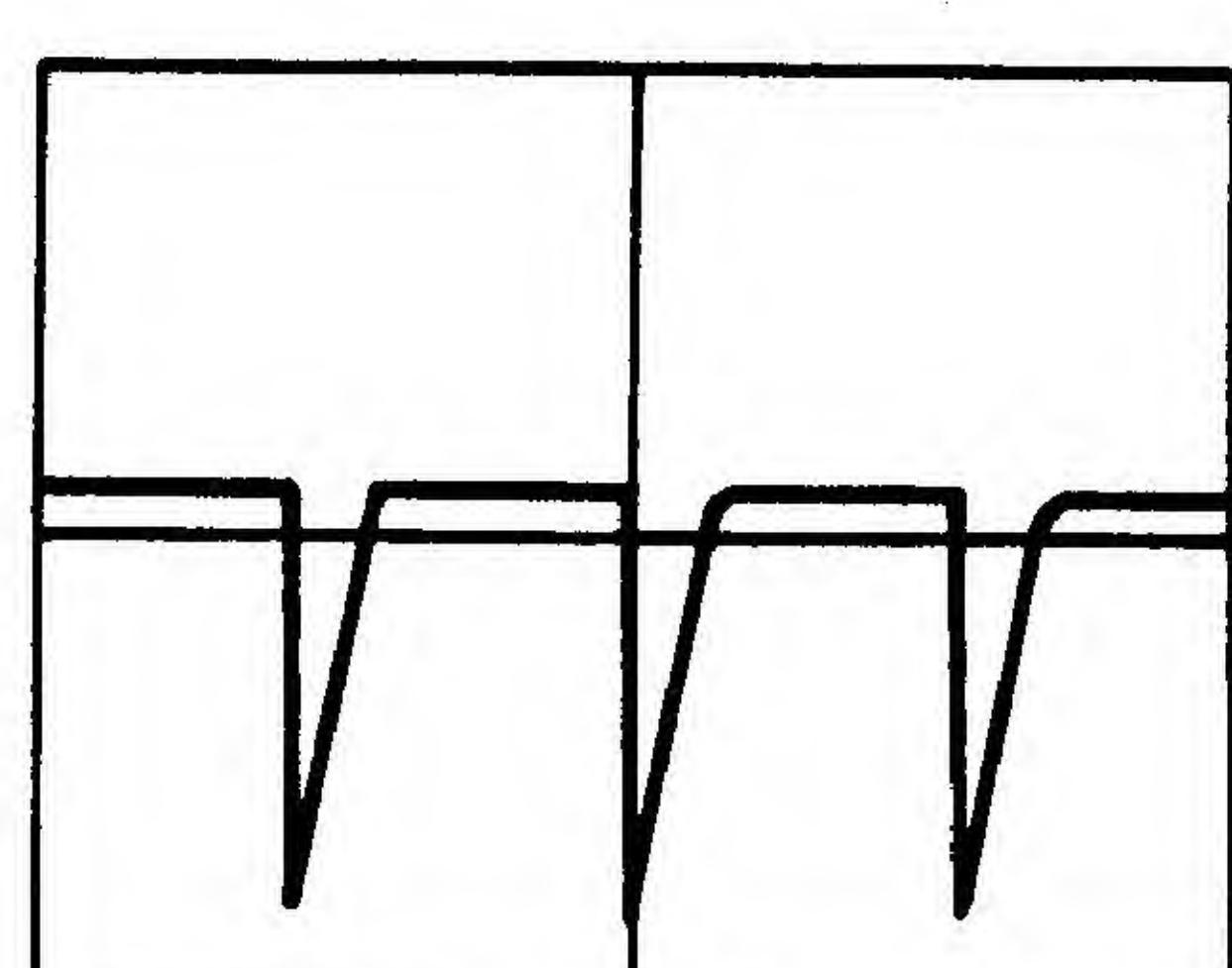
③ 2.3Vp-p
35.7KHz



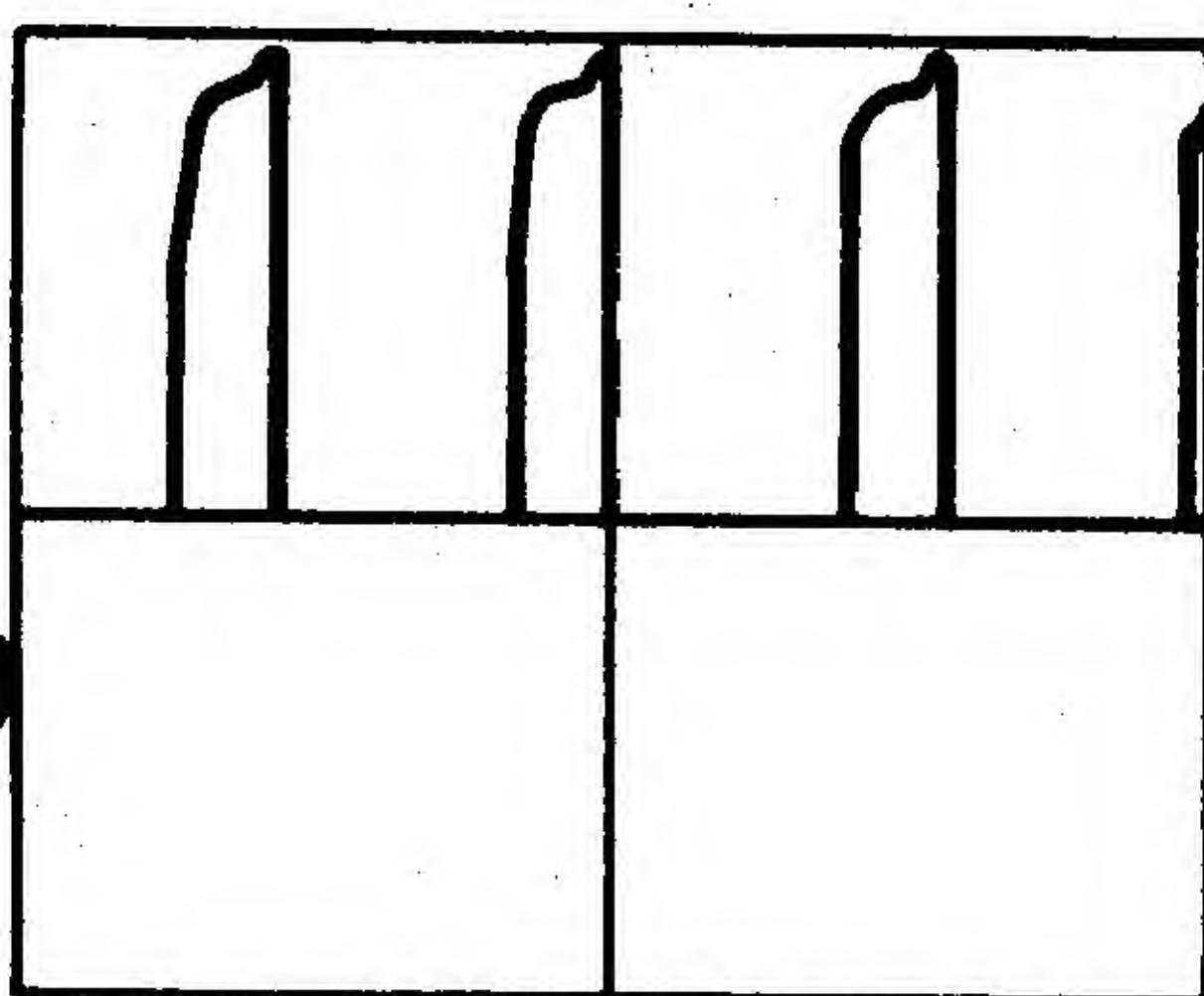
④ 9.0Vp-p
35.7KHz



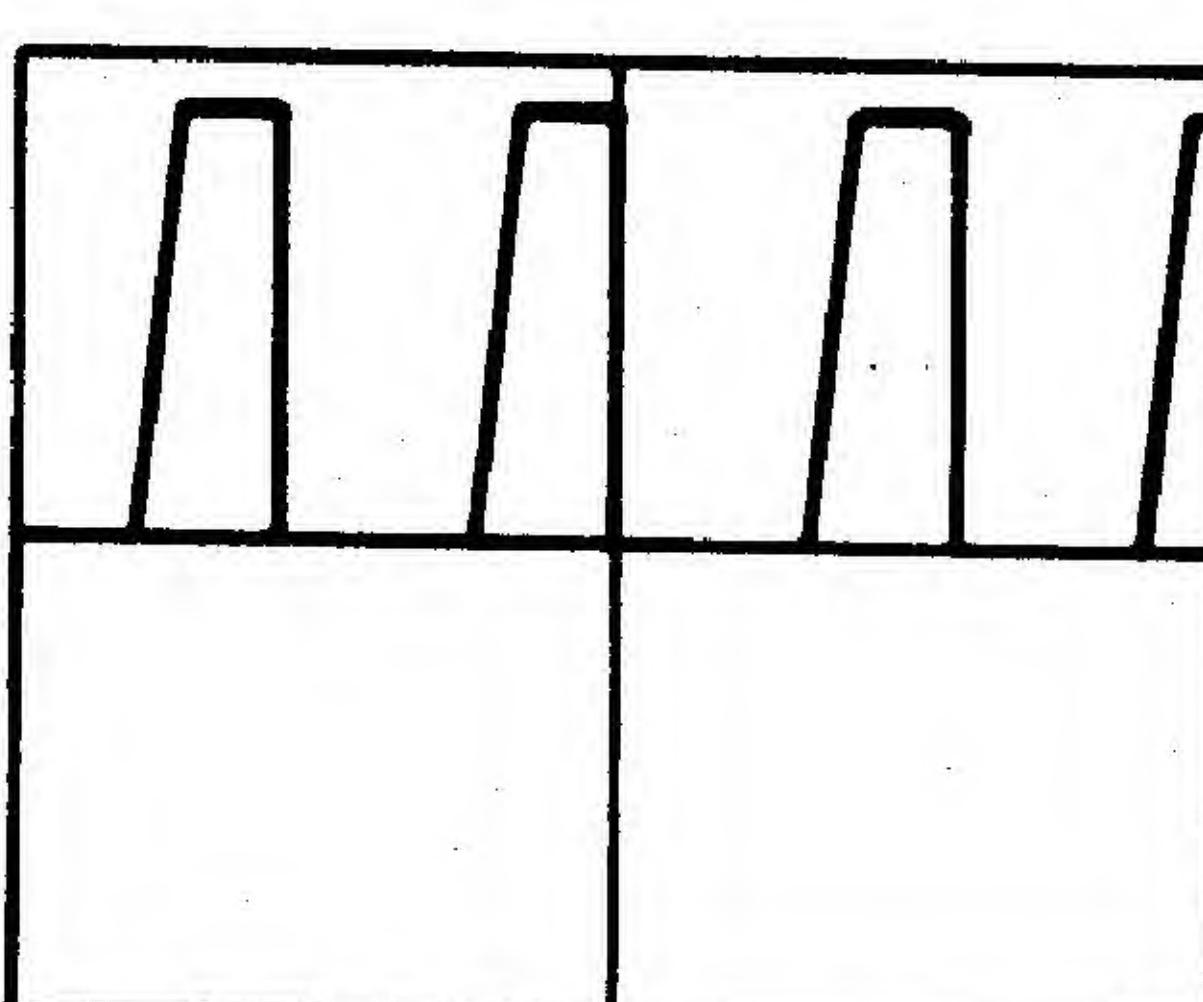
⑤ 0.7Vp-p
35.7KHz



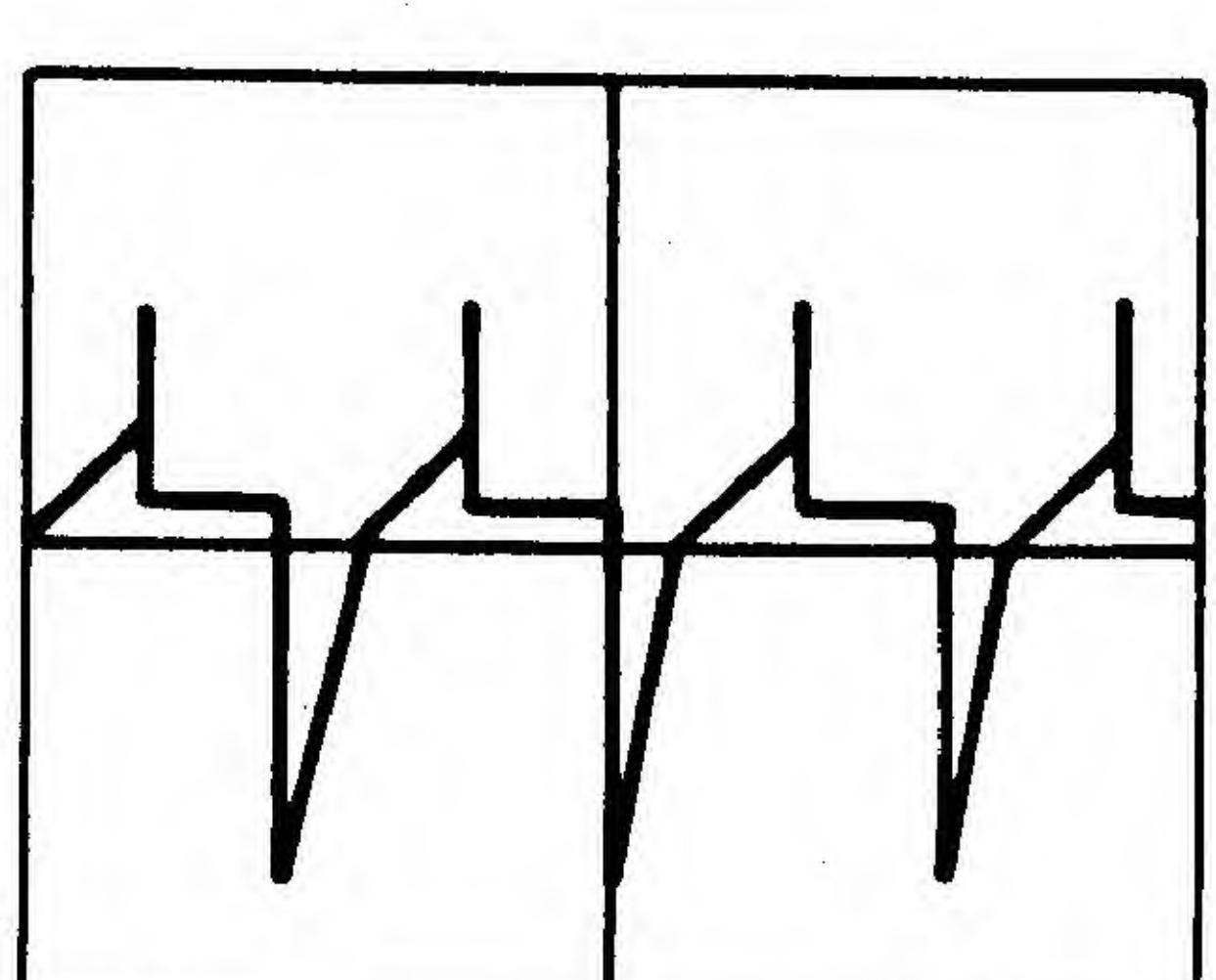
⑥ 6.8Vp-p
35.7KHz



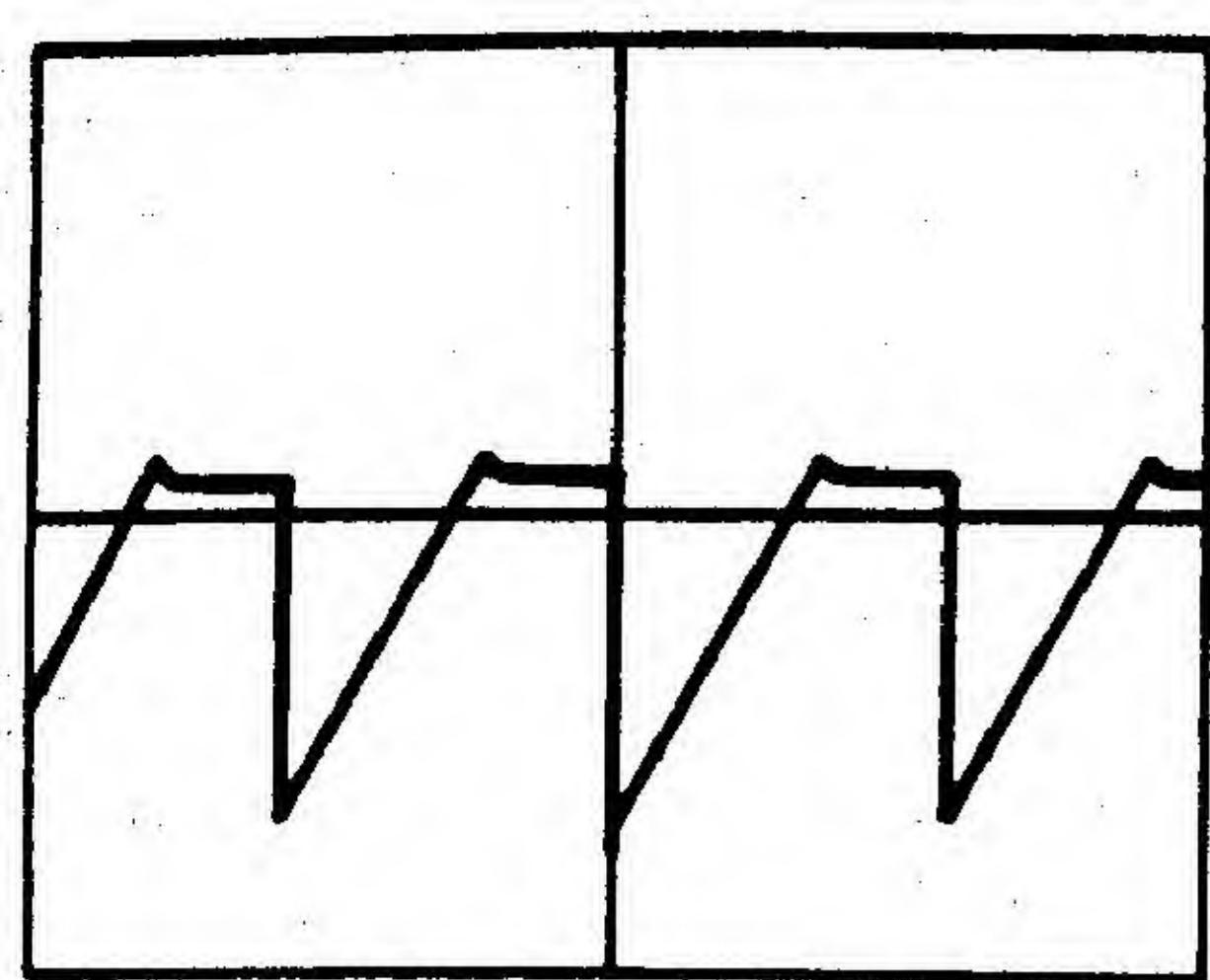
⑦ 8.0Vp-p
35.714KHz



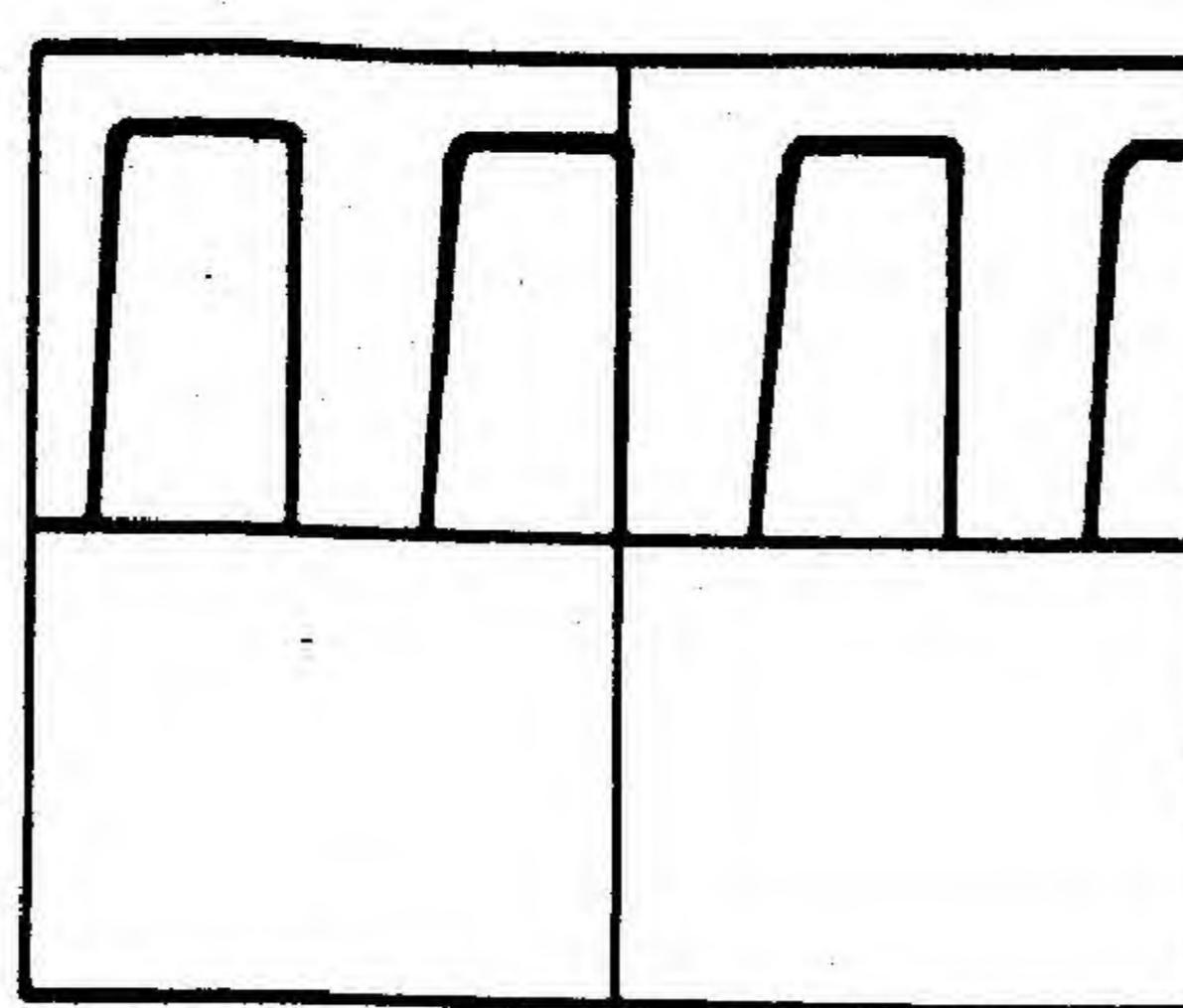
⑧ 7.2Vp-p
35.714KHz



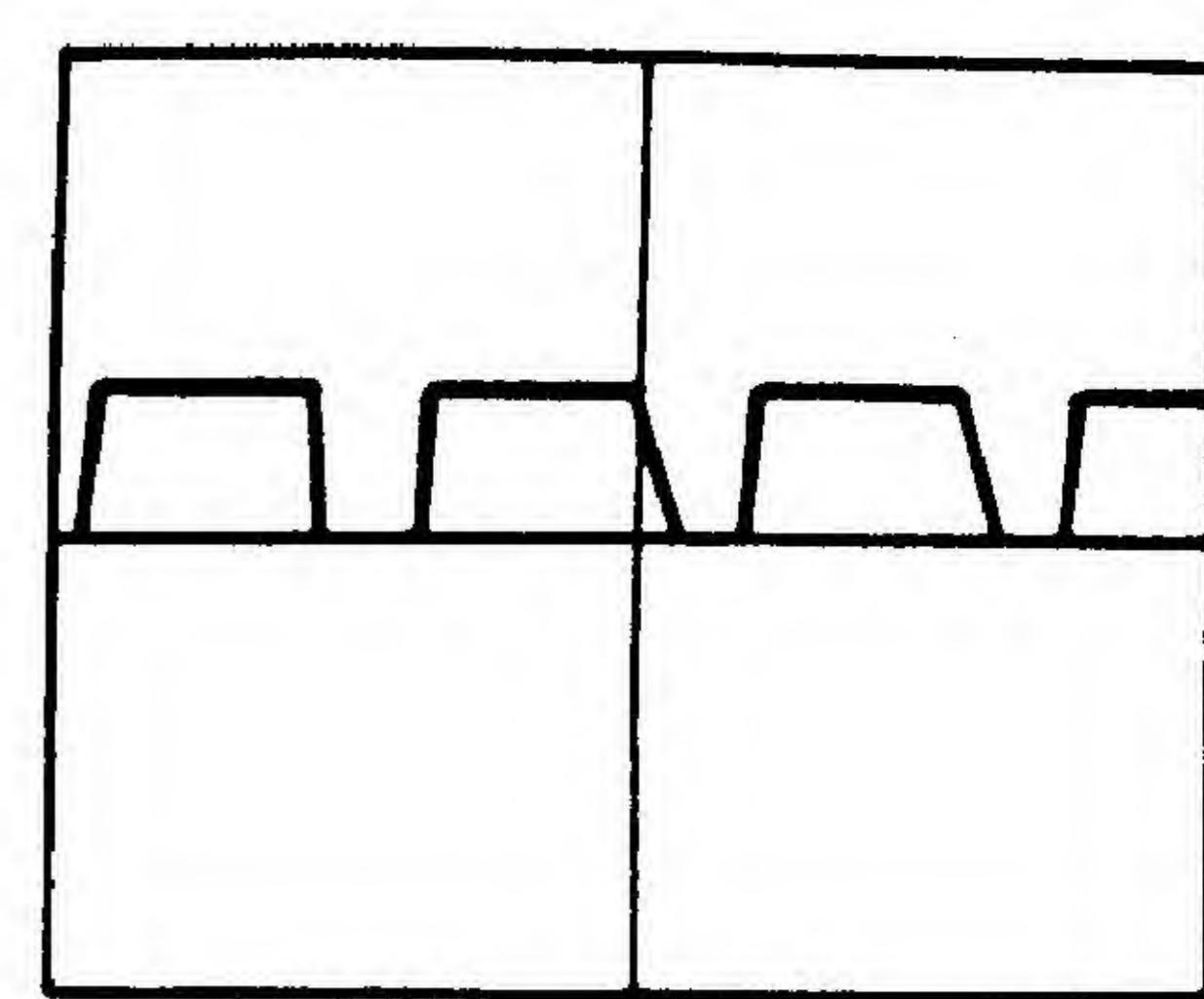
⑨ 7.0Vp-p
35.714KHz



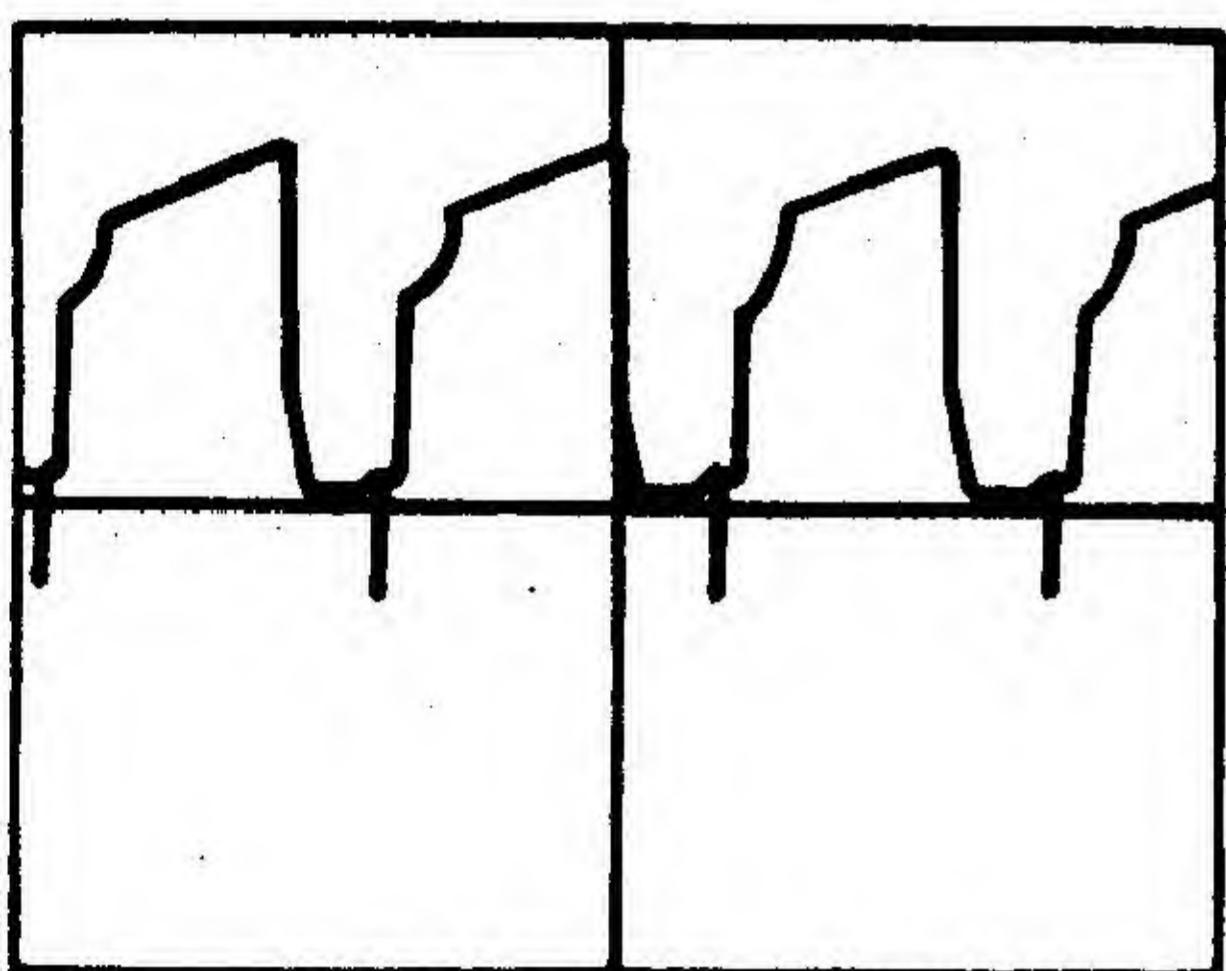
⑩ Vol: 6.4Vp-p
35.714KHz



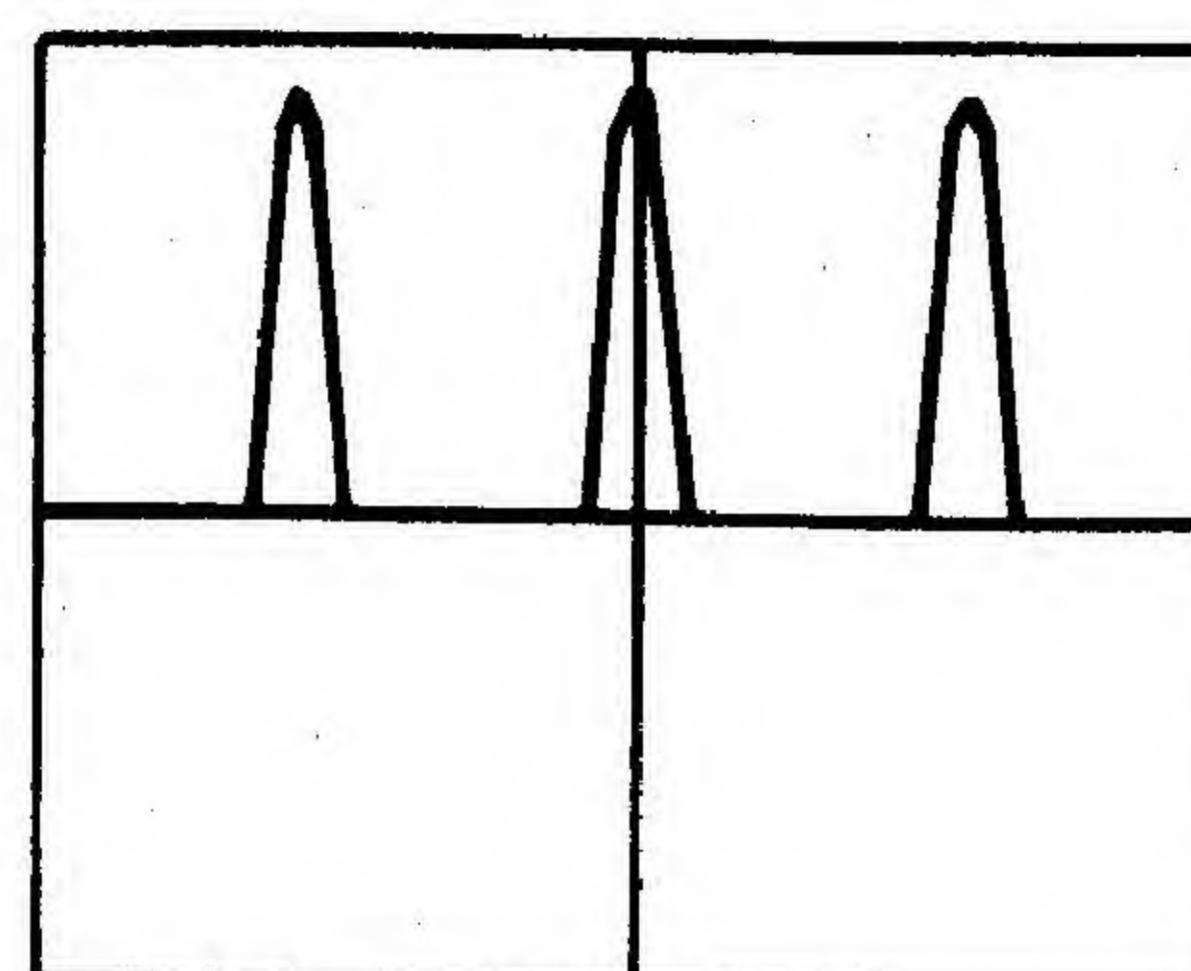
⑪ 7.0Vp-p
35.714KHz



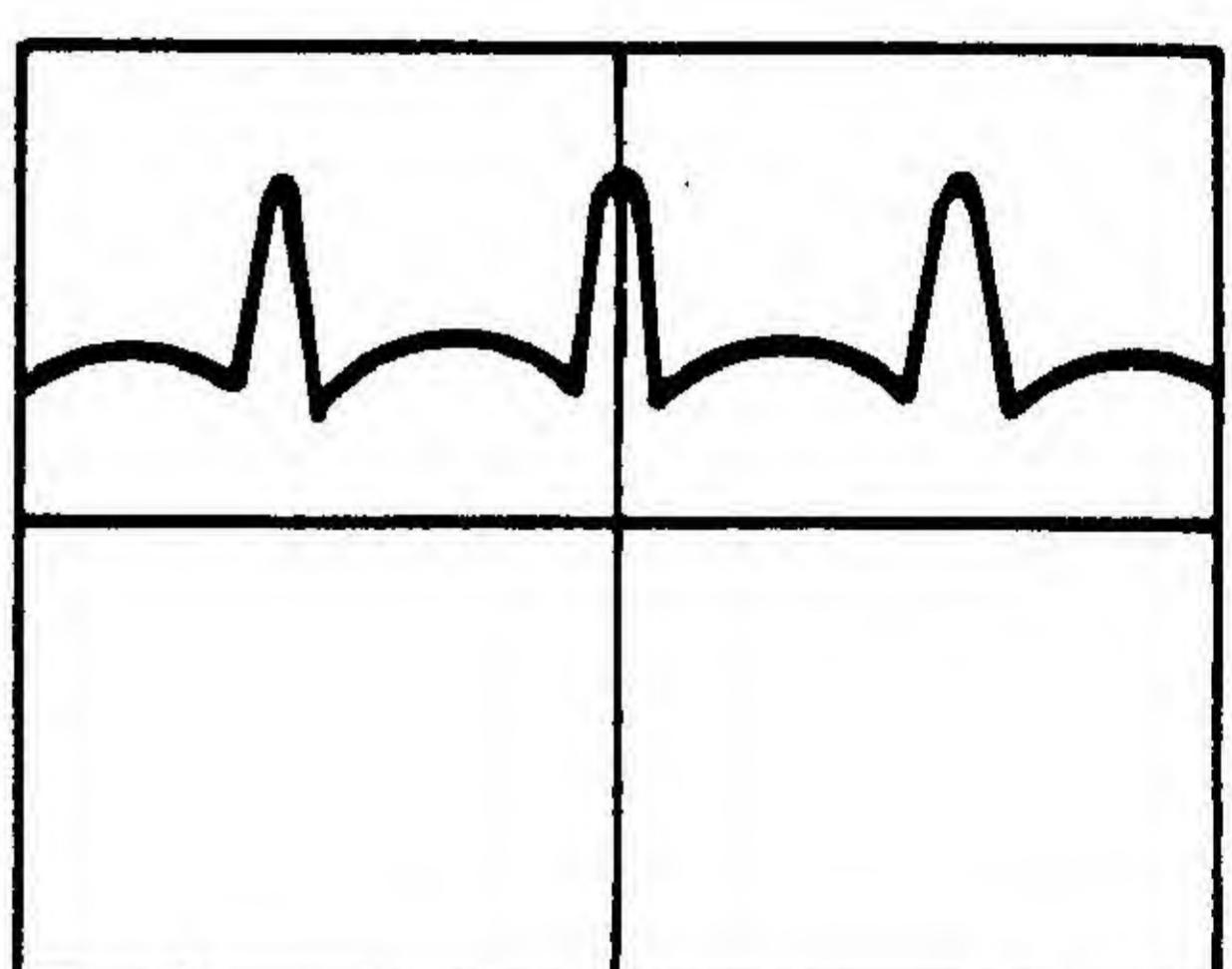
⑫ 0.7Vp-p
35.714KHz



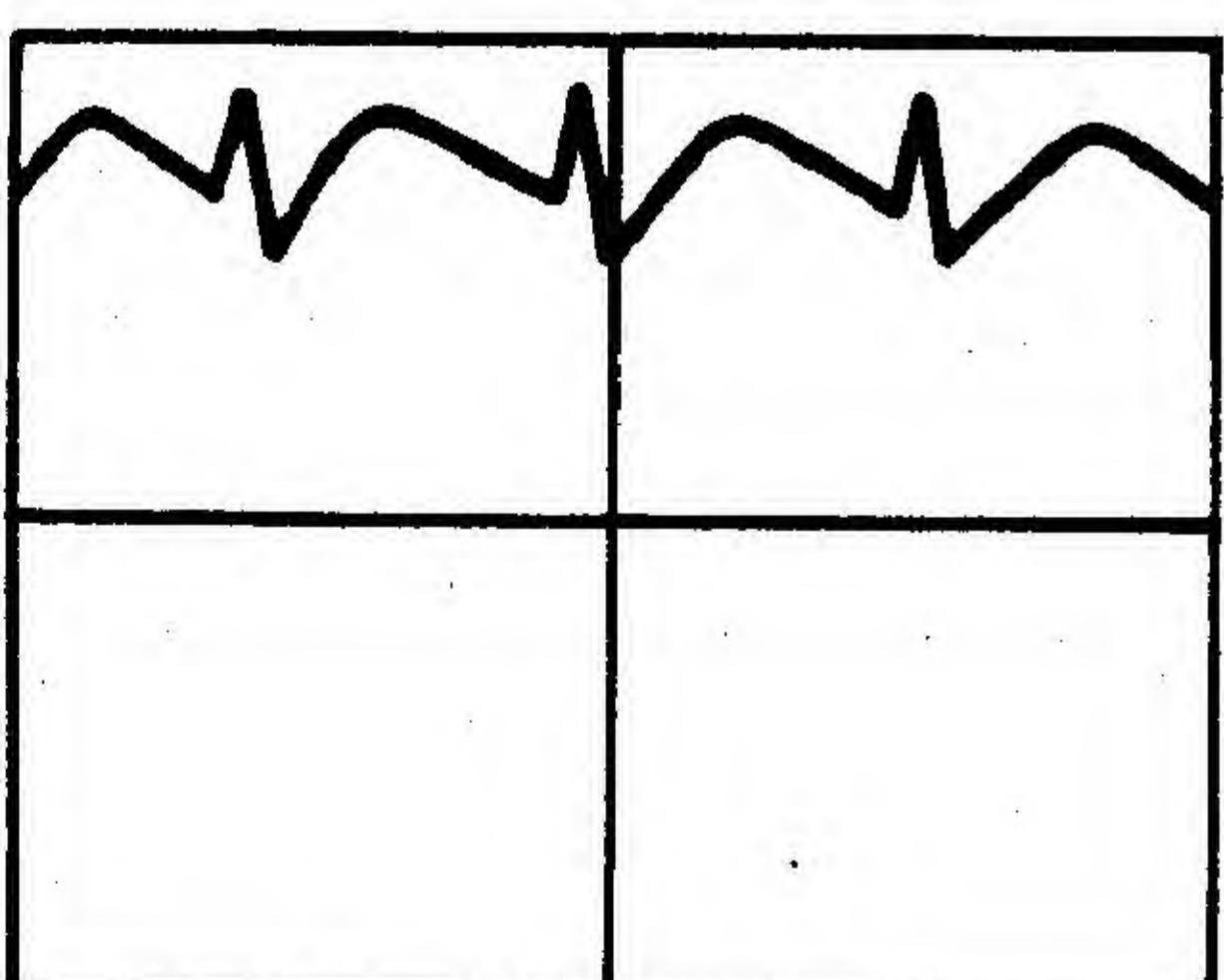
⑬ 4.71Vp-p
35.714KHz



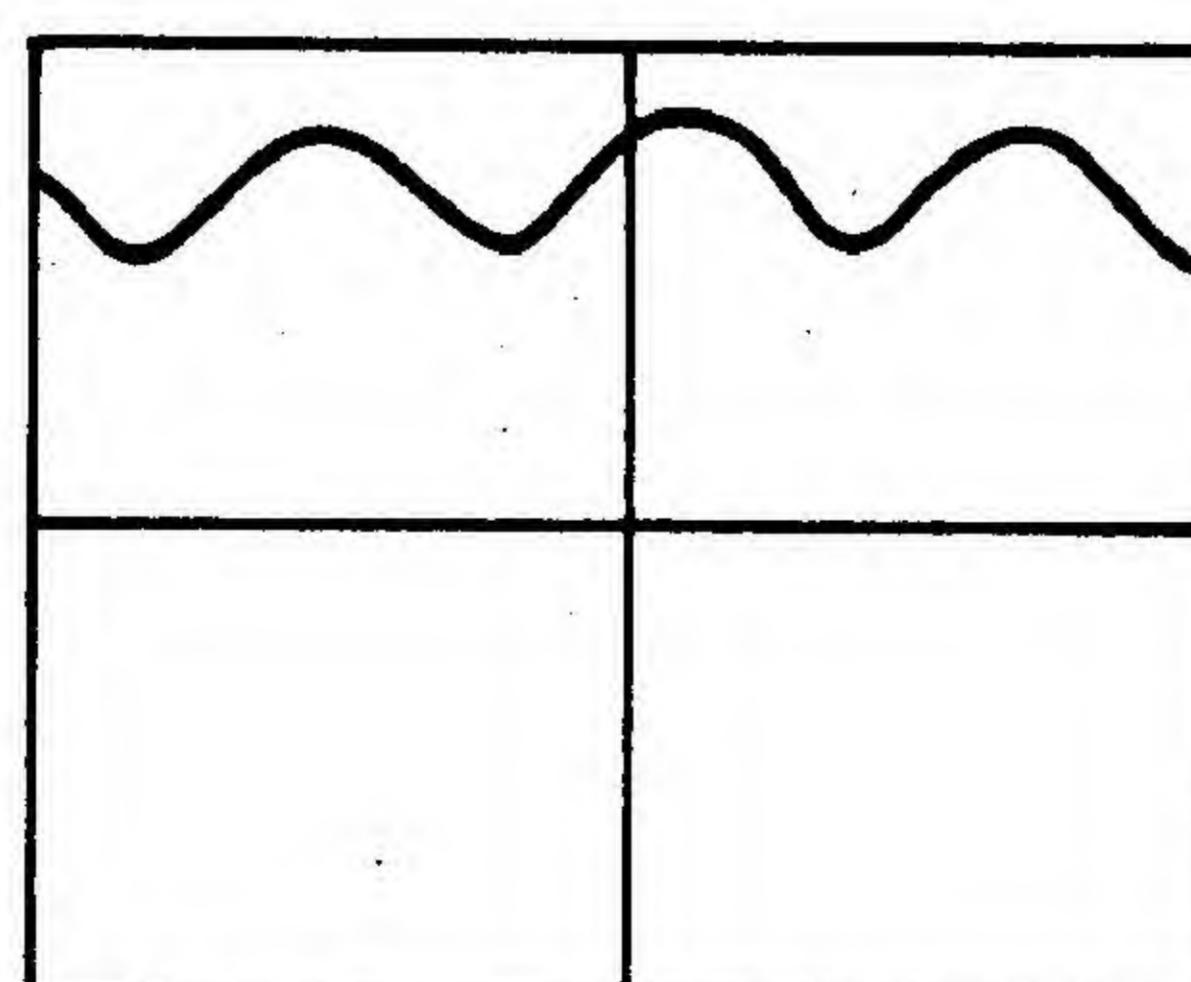
⑭ 180Vp-p
35.714KHz



⑮ 56Vp-p
35.714KHz



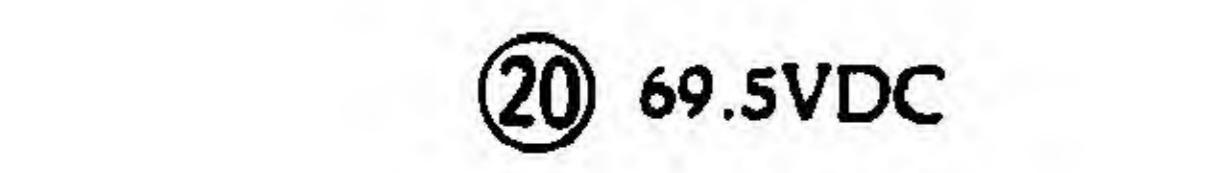
⑯ 38Vp-p
35.714KHz



⑰ 36Vp-p
35.714KHz

⑱ 11.8VDC

⑲ -70.0VDC



⑳ 69.5VDC

㉑ 28.8VDC

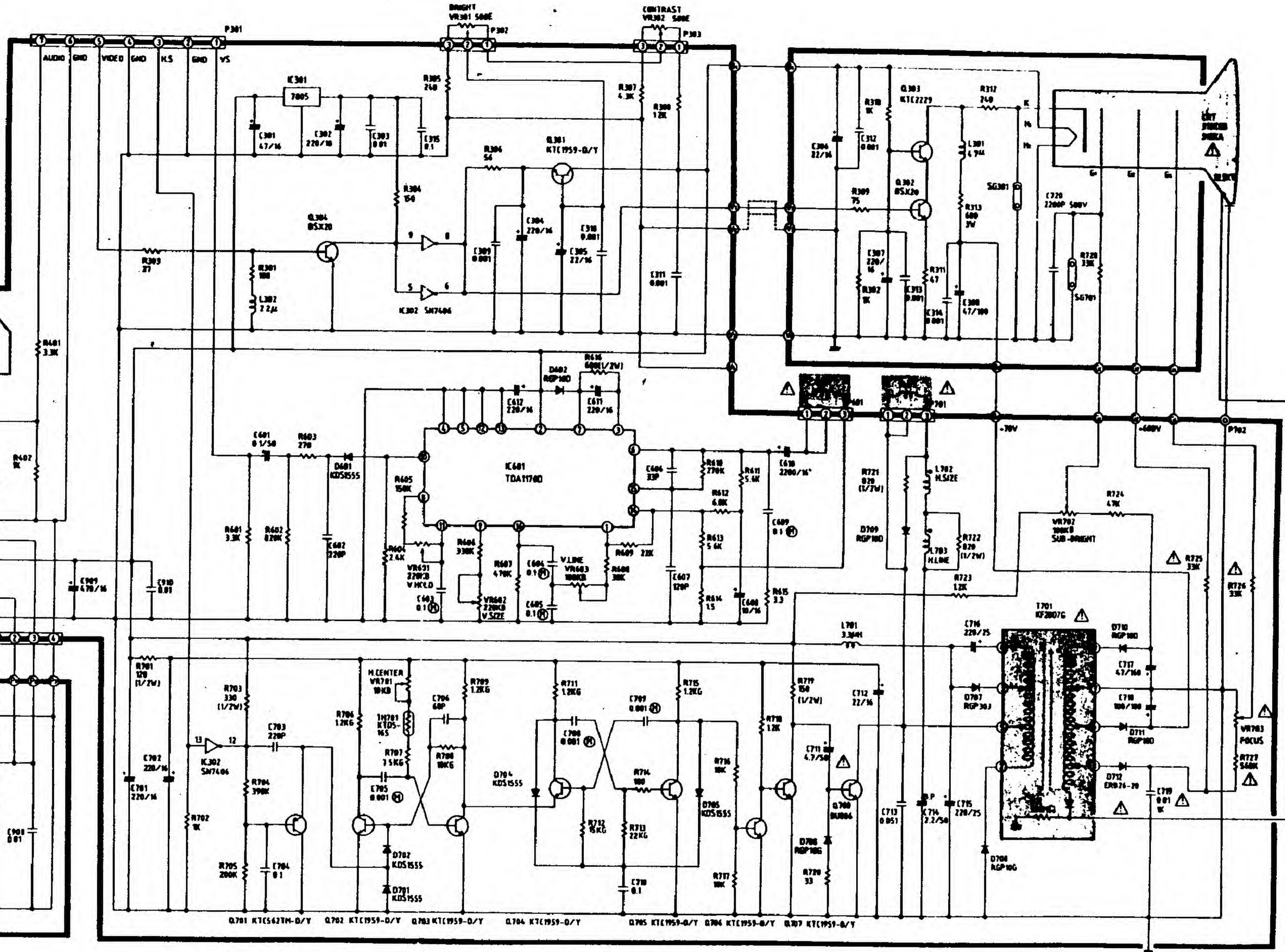
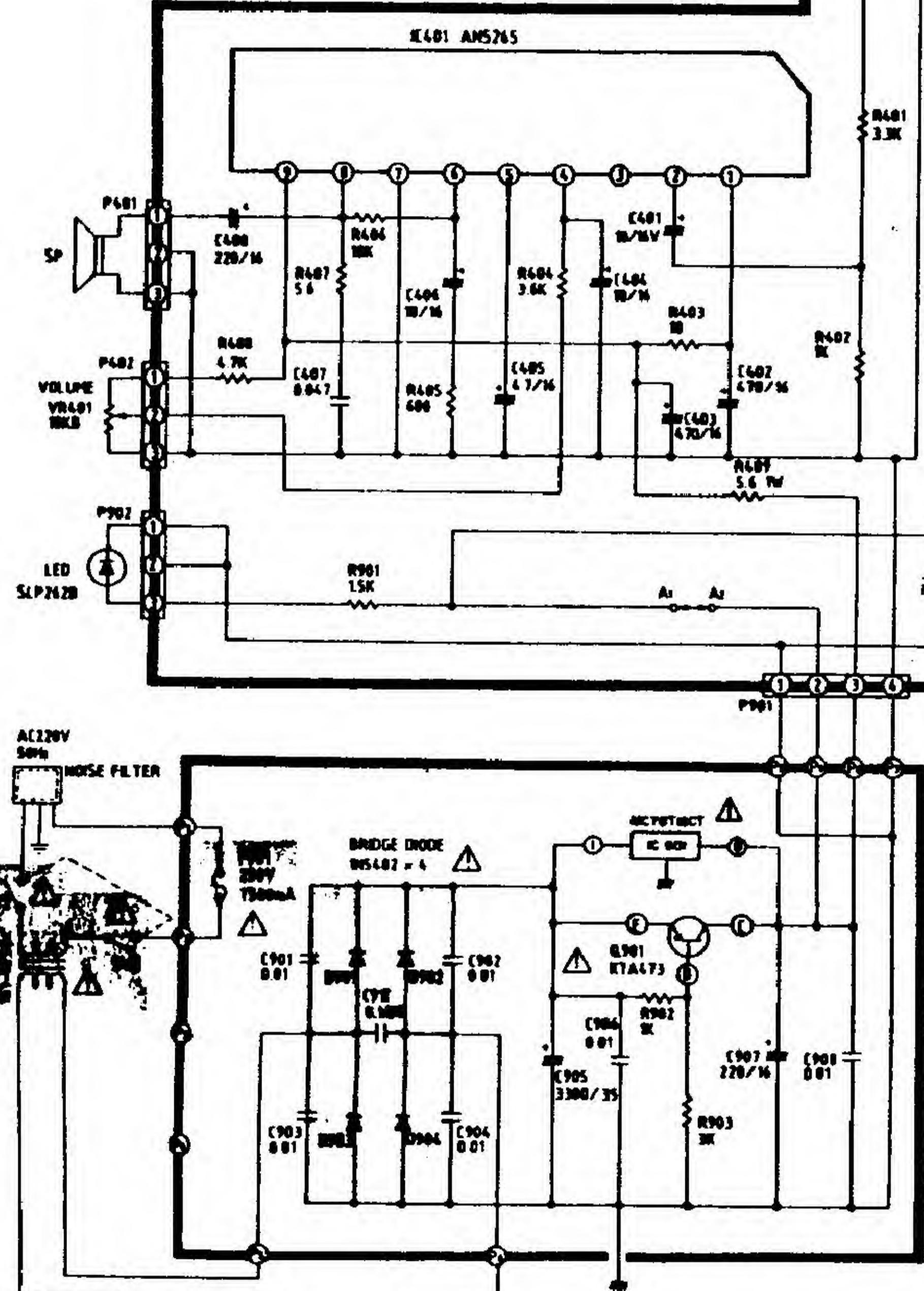
㉒ 600VDC

SCHEMATIC DIAGRAM

NOTES

1. Resistors are shown in ohms
 $K = 1,000$, $M = 1,000,000$
 2. Capacitors are shown in μF
otherwise stated $P = \mu \mu$
 3. All resistors are $\pm 5\%$ tolerance

Unless otherwise indicated.



**⚠ : REPLACE ALL COMPONENTS
MARKED WITH SAFETY
SYMBOL WITH IDENTICAL TYPE**

IMPORTANT SAFETY NOTICE

THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION, FIRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC.

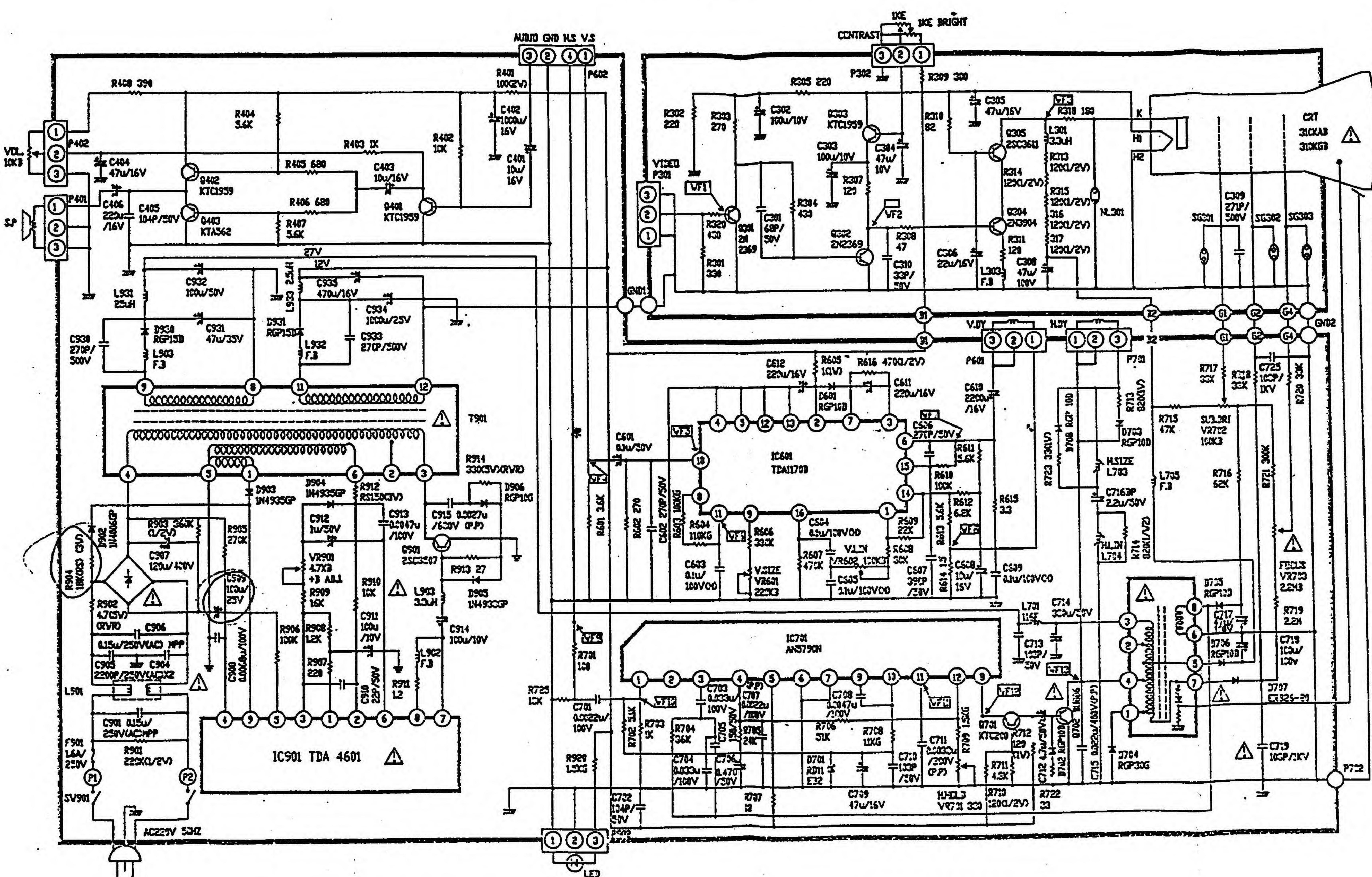
IMPORTANT AVIS SUR LA SÉCURITÉ

LA PARTIE OMBRÉE DE CE DIAGRAMME SCHÉMATIQUE COMPREND D'IMPORTANTES CARACTÉRISTIQUES SPÉCIALES CONÇUES POUR PROTÉGÉR DES RAYONS X, ET DES DANGERS D'INCENDIE ET DE SECOUSSSES ÉLECTRIQUES. EN CAS DE BESOIN SI DES PIÈCES DE CETTE PARTIE OMBRÉE DOIVENT ÊTRE REMPLACÉS N'UTILISEZ QUE DES PIÈCES SPÉCIFIÉES PAR LE MANUFACTURER.

MT-21 SCHEMATIC DIAGRAM

R 904 22K Ω 3W → 18K Ω 3W

C 909 4n/25V → 100n/25V

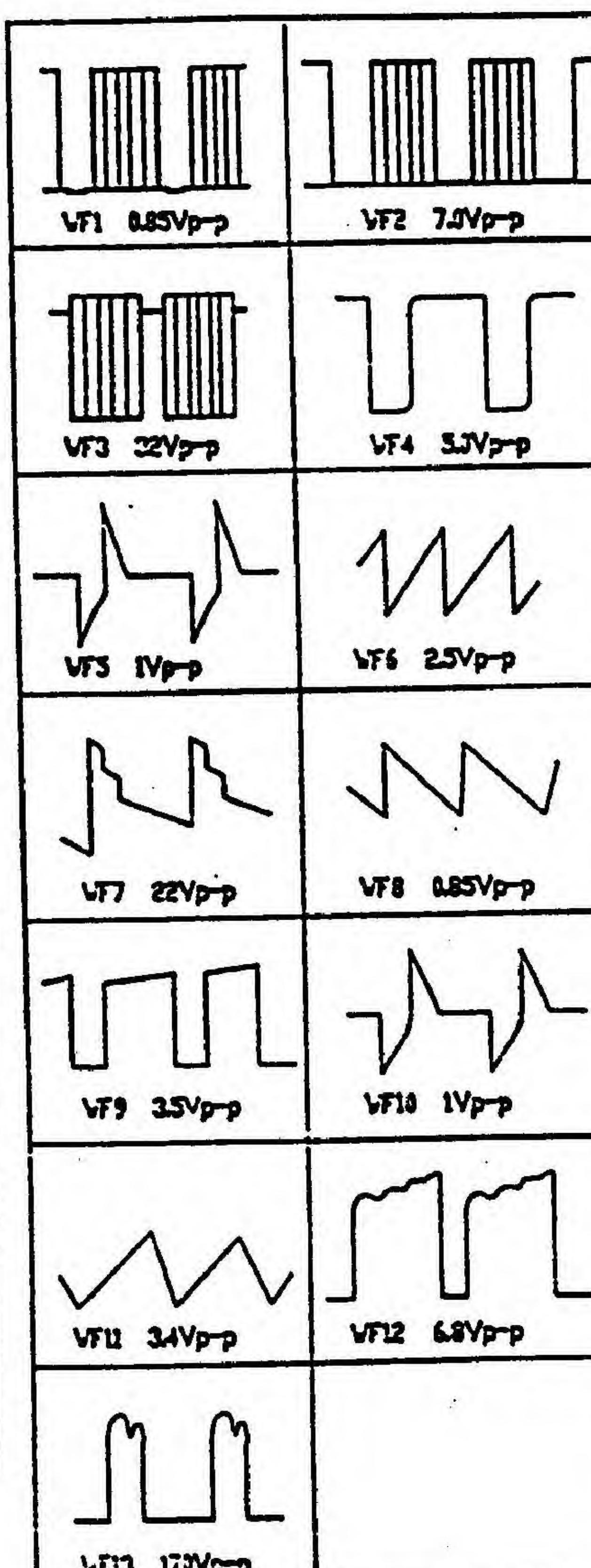


IMPORTANT SAFETY NOTICE

THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES FEATURES FOR PROTECTION FROM X-RADIATION, FIRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREA OF THE SCHEMATIC.

Nov - 6 - '87

N. S LEE



TROUBLESHOOTING CHART

MAIN CHART

Please Check the Monitor and the PC how to Connect exactly.

LED Lights ON?

No

Go to POWER chart.

Yes

Video something wrong?

Yes

Go to VIDEO chart.

No

Sound something wrong?

Yes

Go to SOUND chart.

No

Switch ON monitor, then check it after 15 minutes.

Yes

Something wrong?

No

Adjustment

Good! Please return the set to owner.

POWER CHART

Please check the monitor and outlet connections.

LED Lights?

No or Weak

Check input of IC901.

Yes

To the main chart.

+22V DC?

Yes

Check output of IC901 & PIN #2 of connector (P901).

Check AC fuse (F901).

Open?

No

Check P5 & P4 of power PCB.

Yes

Replace AC fuse.

No

+12V DC?

Yes

Replace IC901 or Q901.

To the main chart.

17V AC?

No

Fuse Reopen?

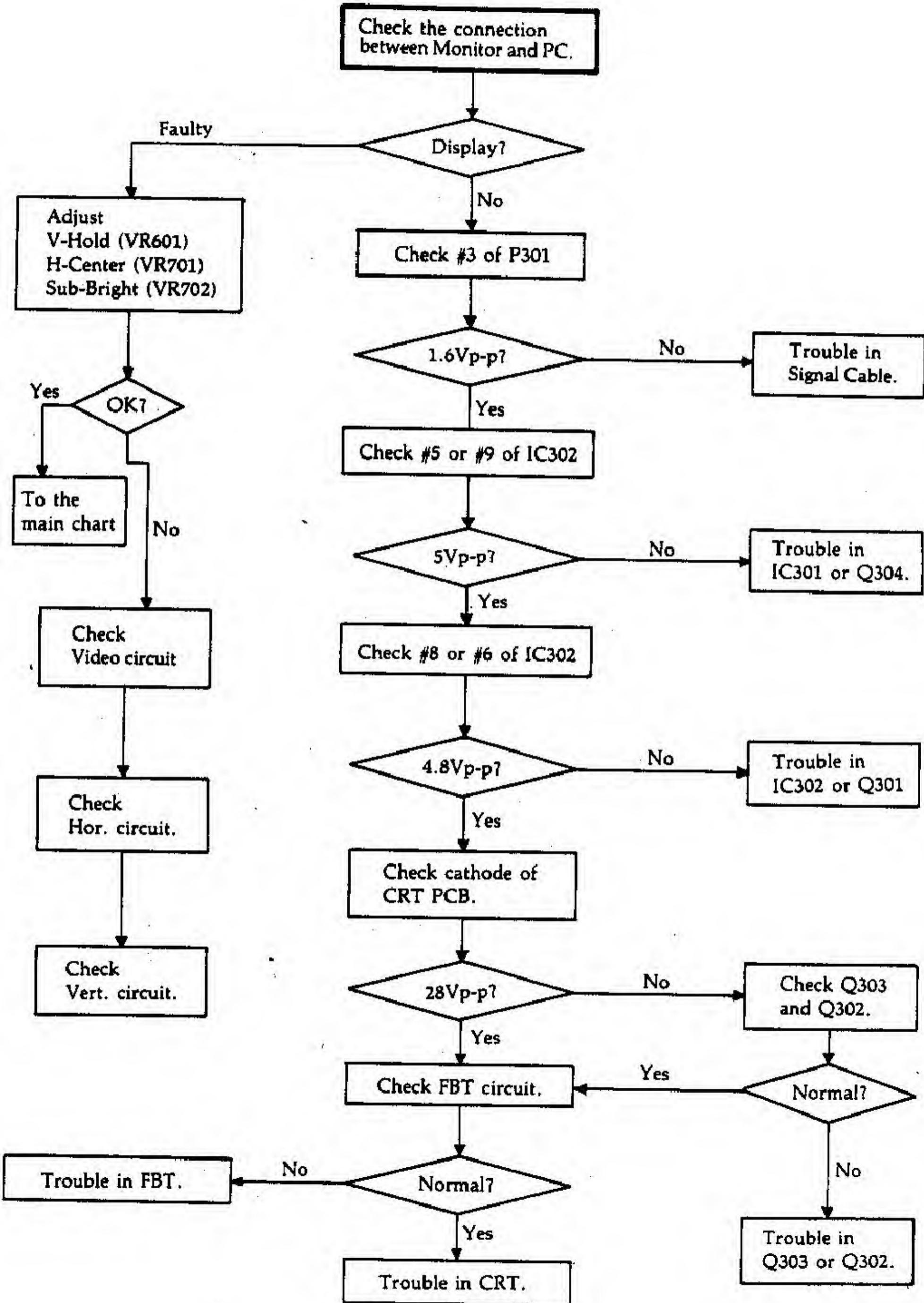
Yes

Trouble in D901-D904

Replace Power Switch.

Replace Transformer.

VIDEO CHART



SOUND CHART

Check the connection between Monitor and PC.

Power is ON?

Yes

Check connector (P901).

Yes

Normal?

Yes

Check connector (P402).

Normal?

Yes

Check connector (P401).

Yes

Normal?

Yes

Trouble in IC401 and C403.

No

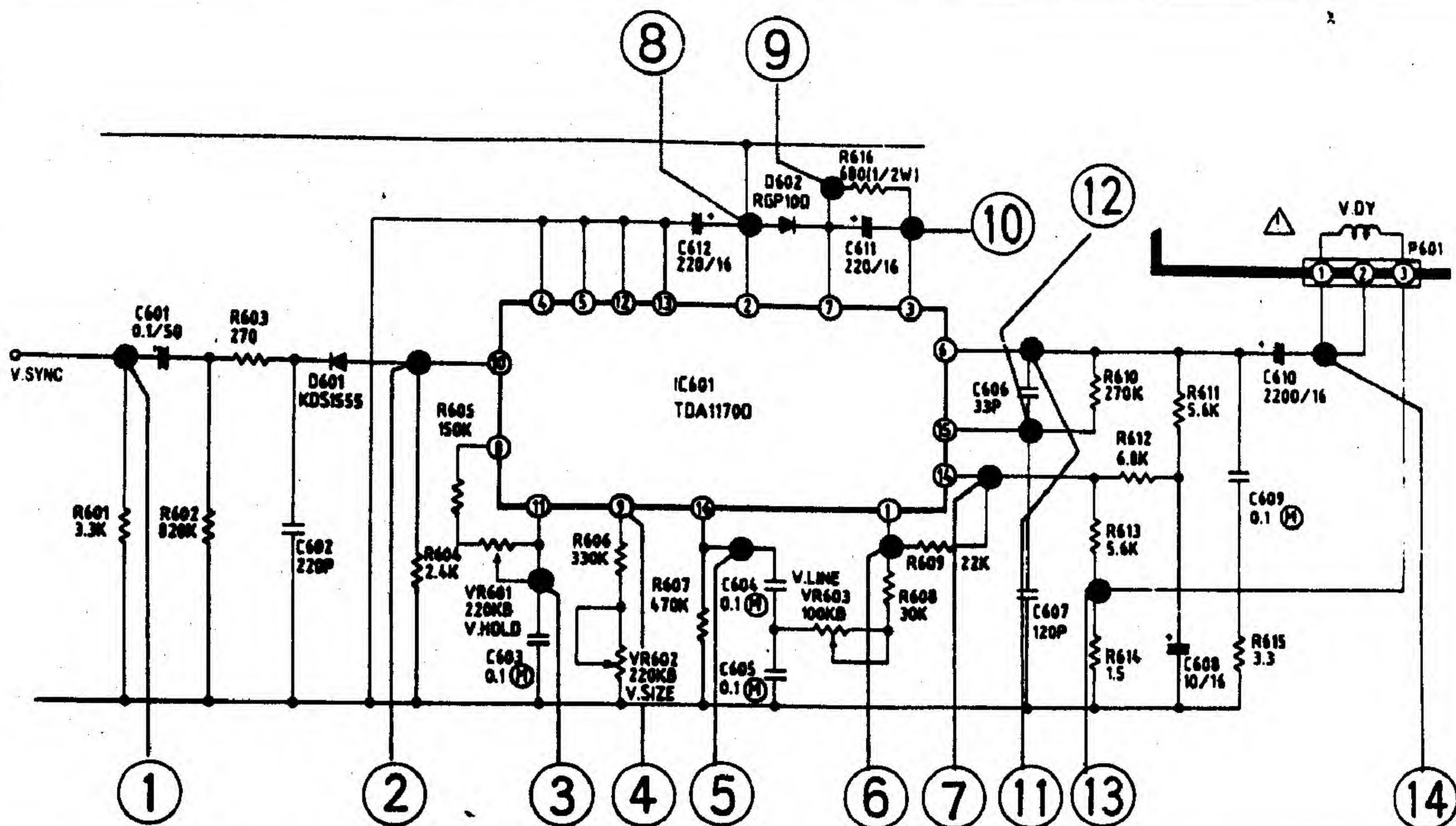
To the Power chart.

Trouble in connector.
(P901)

Trouble in connector.
(P402)

Trouble in connector.
(P401)

VERTICAL DEFLECTION CIRCUIT



① 5.0Vp-p
71.43Hz

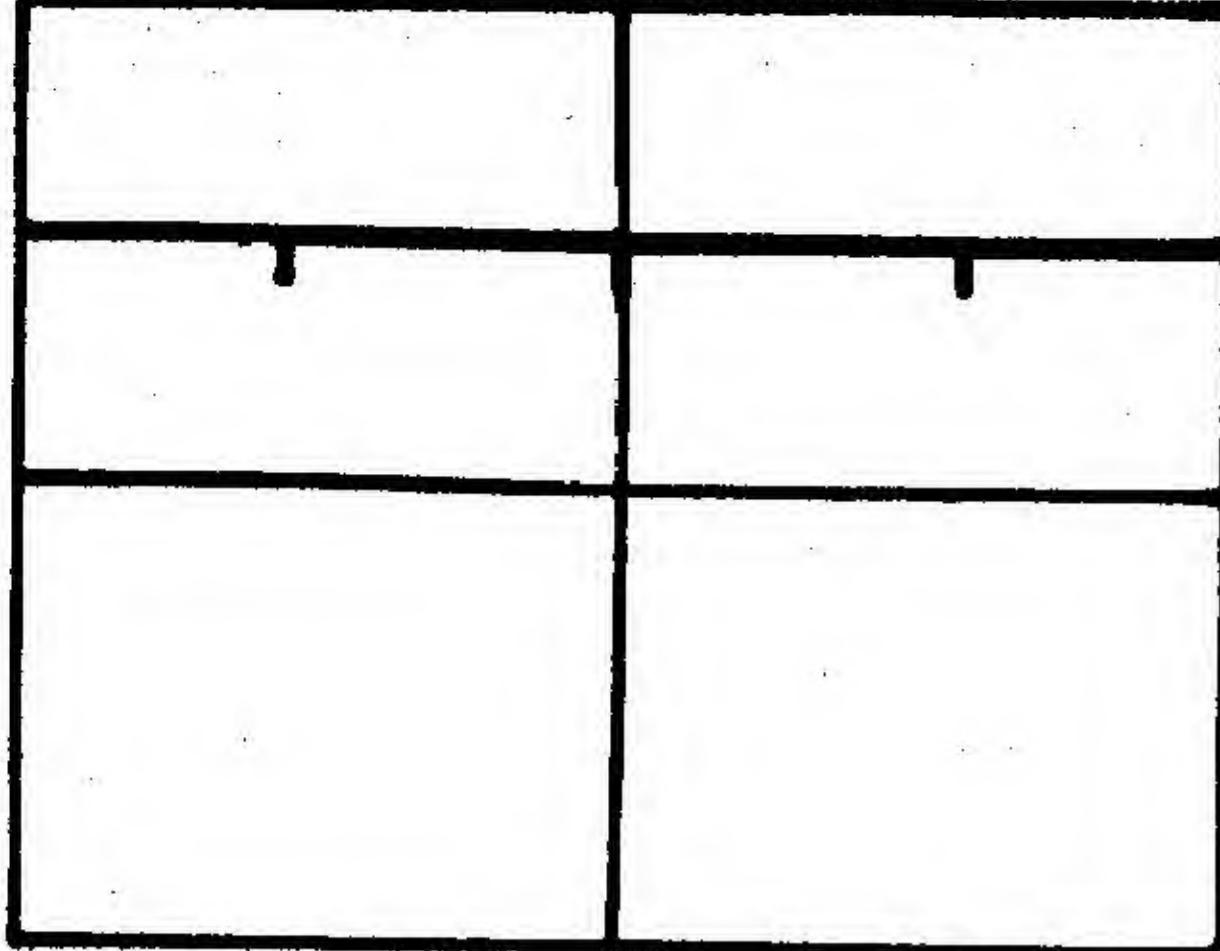
② 0.7Vp-p
71.43Hz

③ 4Vp-p
71.43Hz

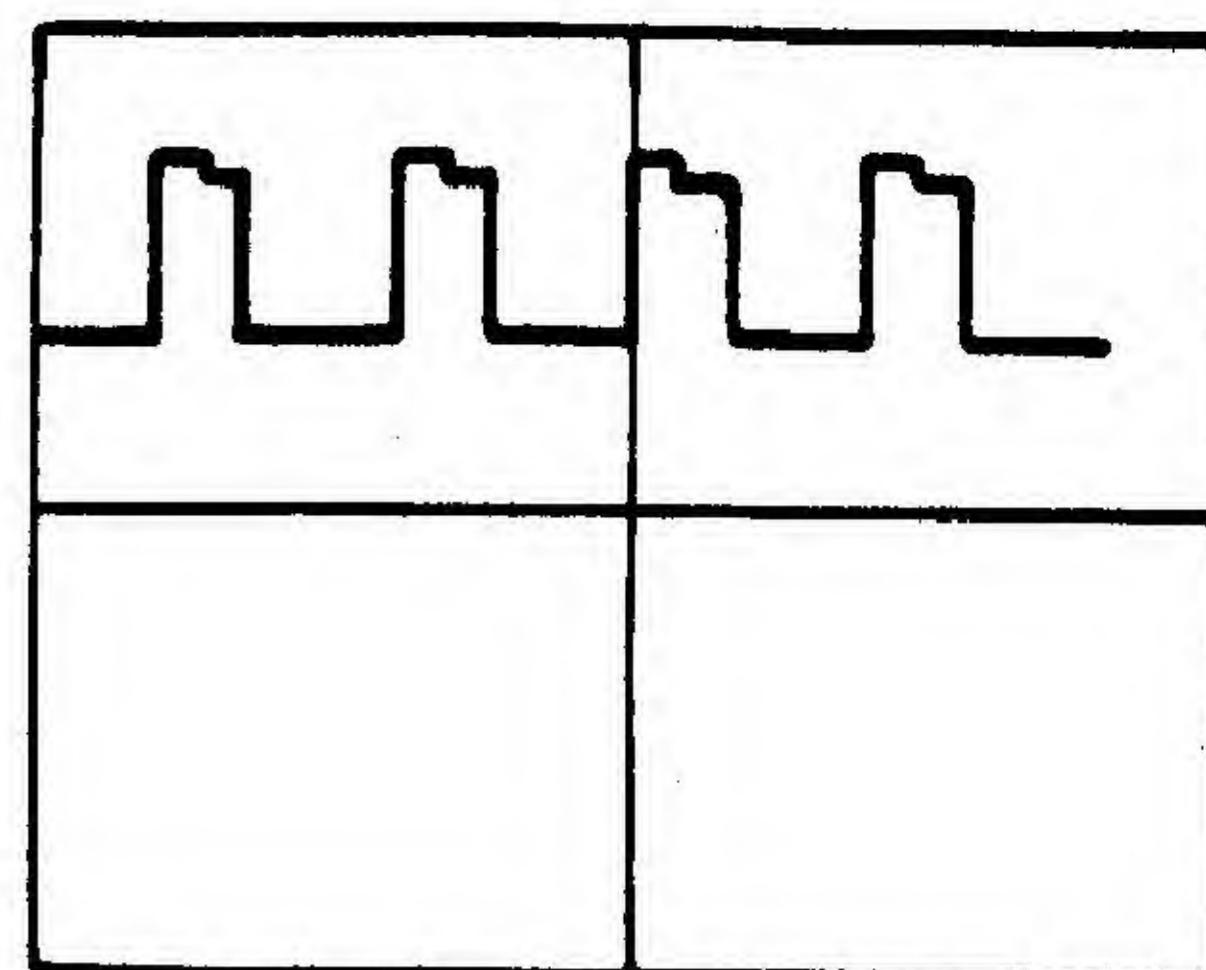
④ 6.68V

⑤ 4.0Vp-p
71.43Hz

⑥ 4.7Vp-p
71.43Hz

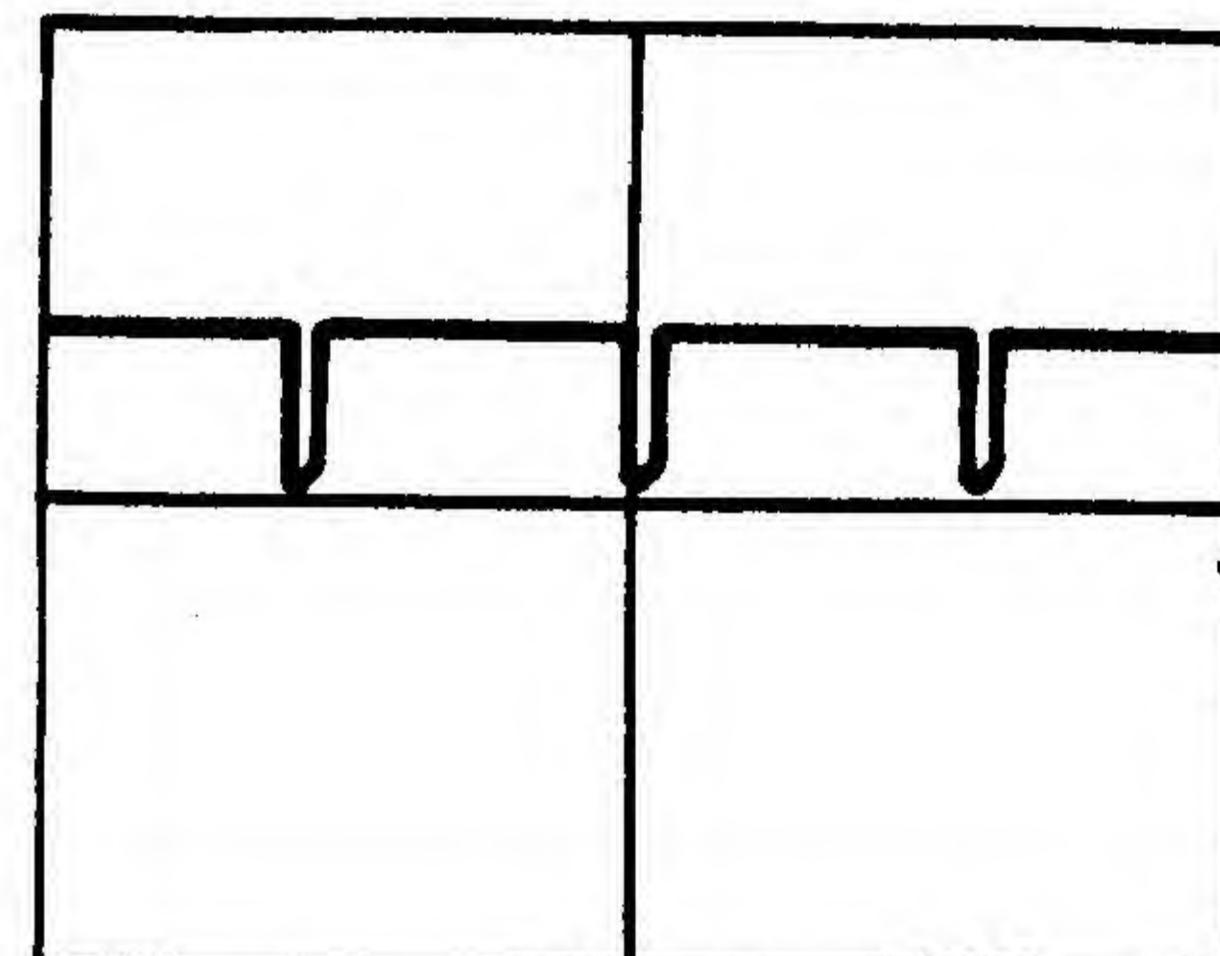
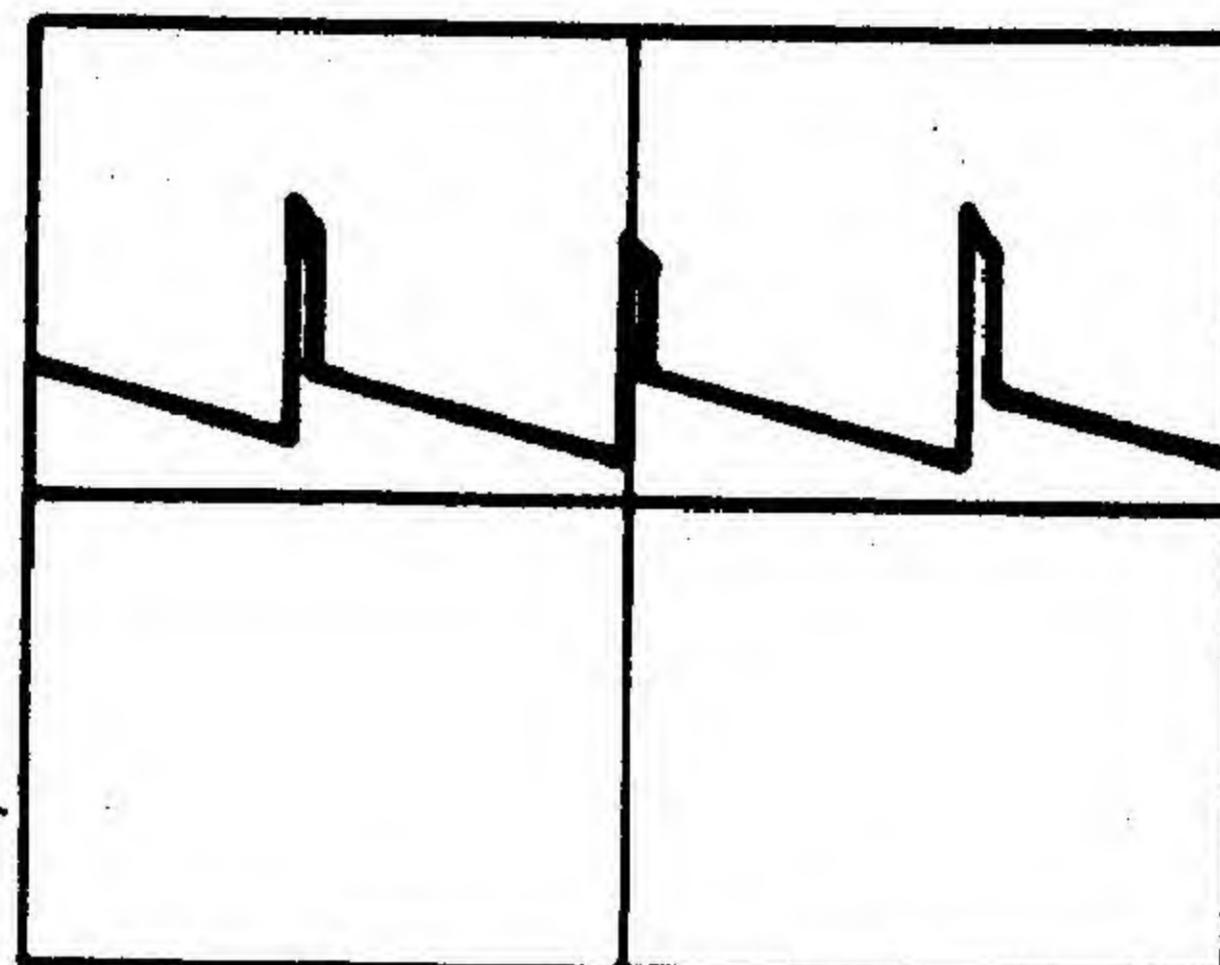
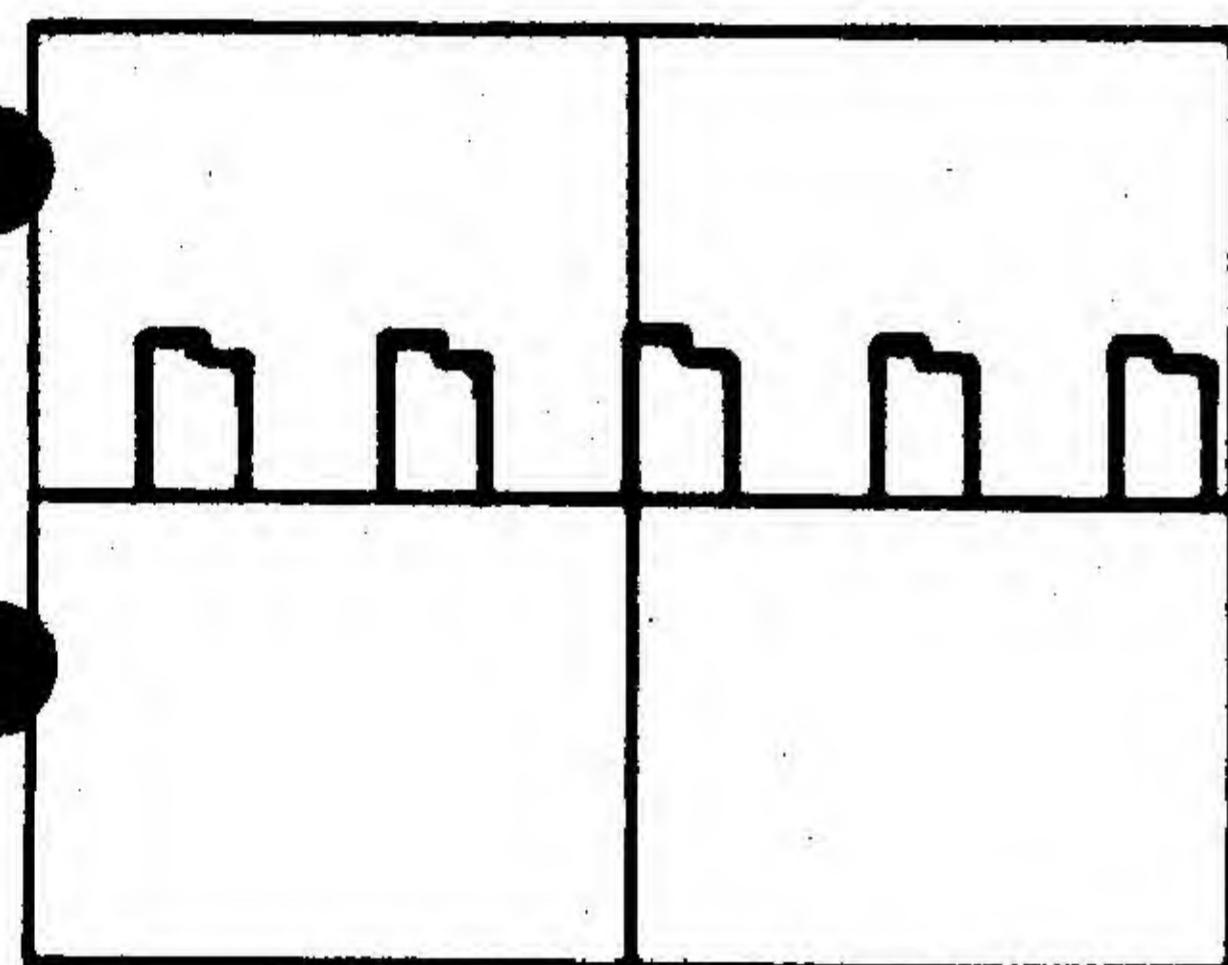


⑧ 11.92V



⑦ 2.1Vp-p
71.43Hz

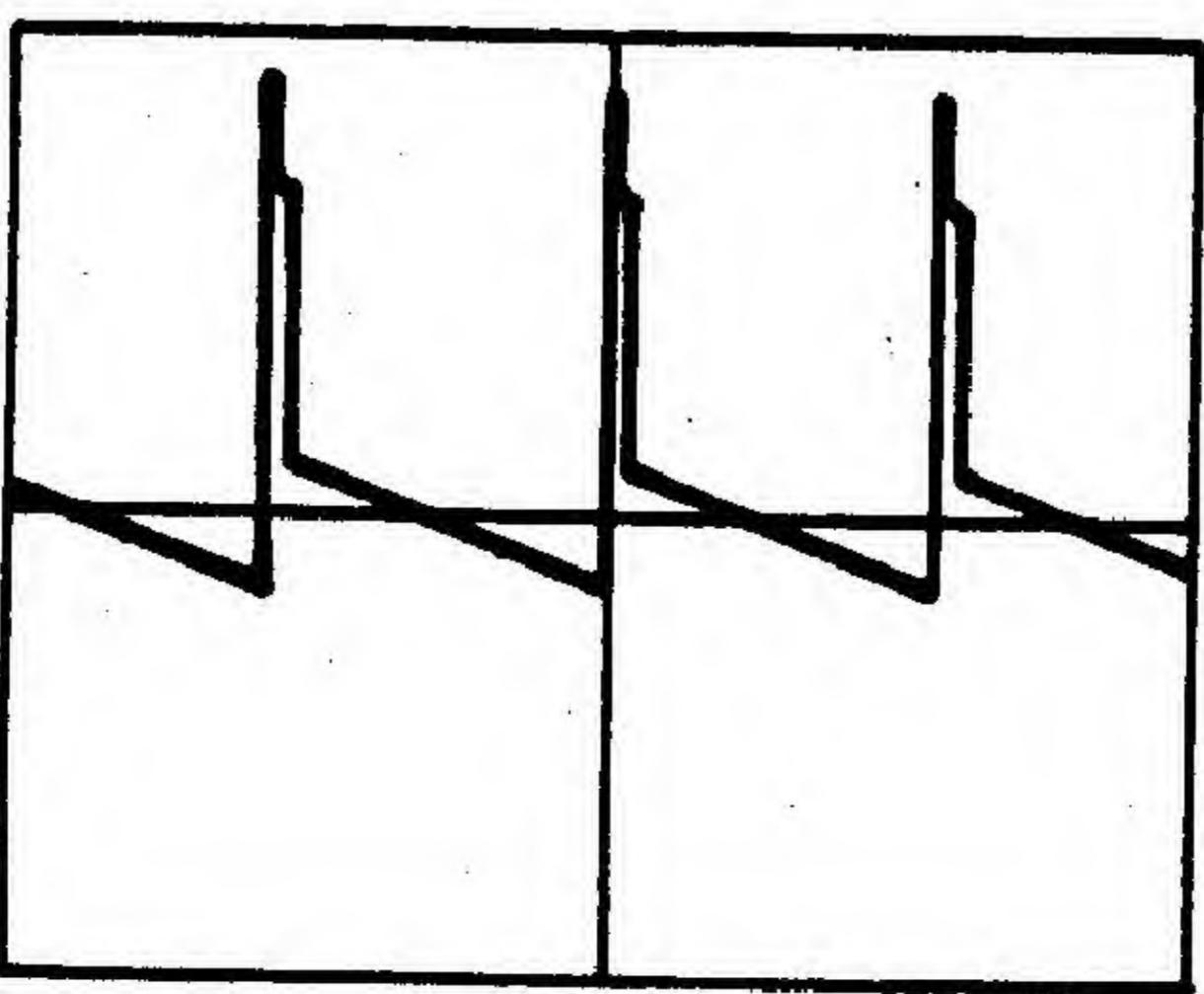
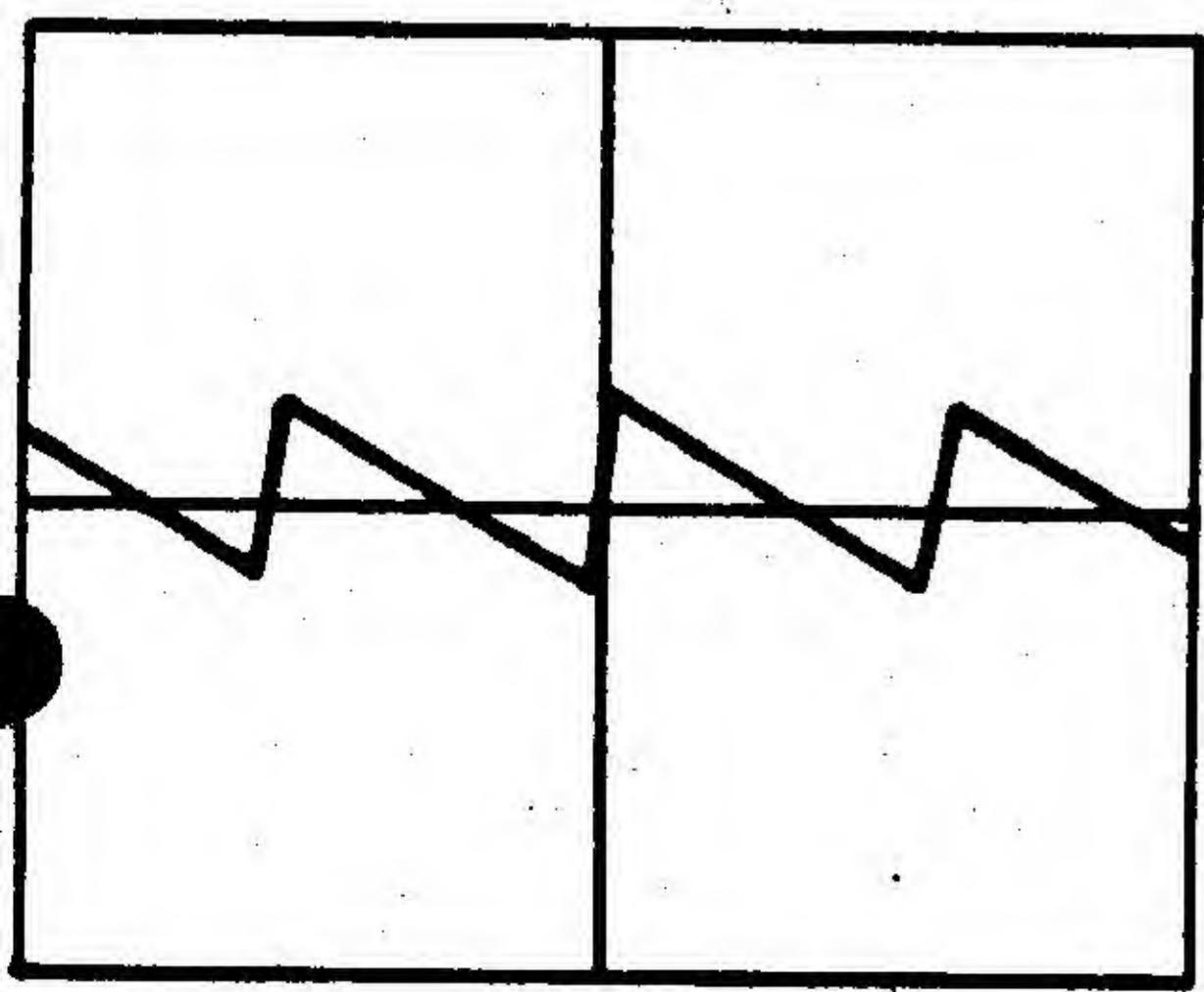
⑨ 24Vp-p
71.43Hz



⑩ 12Vp-p
71.43Hz

⑪ 2.5Vp-p
71.43Hz

⑫ 0.7Vp-p
71.43Hz



⑬ 0.85Vp-p
71.43Hz

⑭ 22Vp-p
71.43Hz

VIDEO CIRCUIT

